

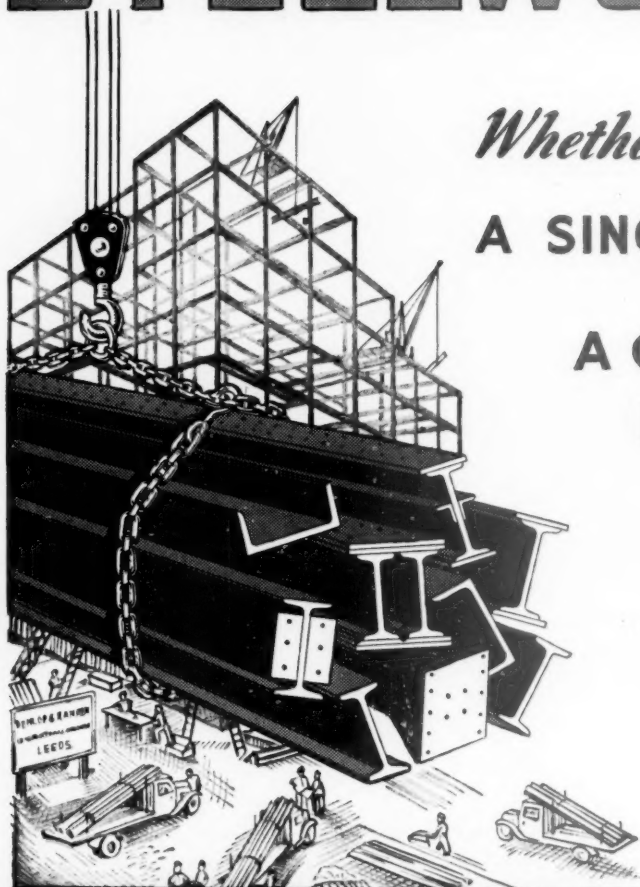
THE
ARCHITECT
& BUILDING NEWS

IN THIS ISSUE

- PRIMARY SCHOOL AT LANSBURY
- TILE COTTAGE, ORPINGTON
- CURRENT MARKET PRICES

AUGUST 2, 1951 · VOL. 200 · NO. 4311 · ONE SHILLING WEEKLY

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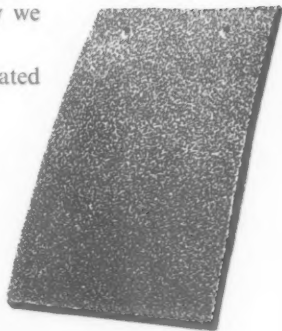
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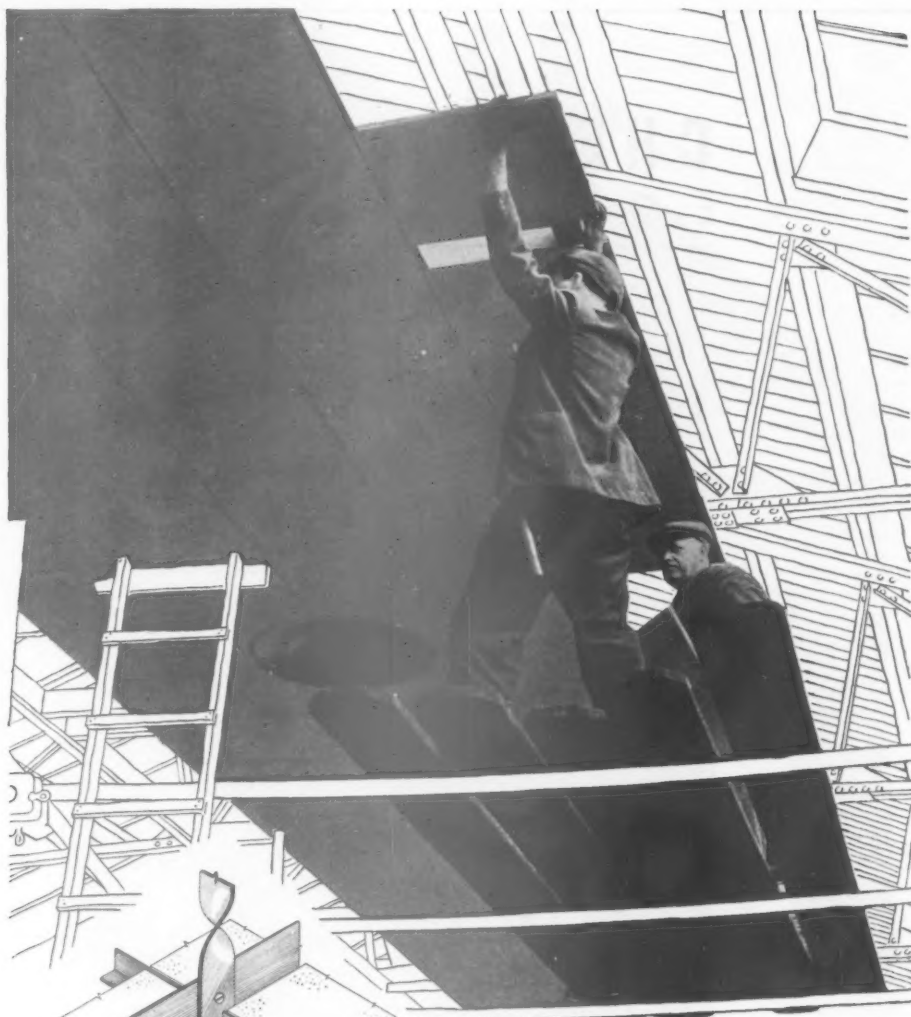
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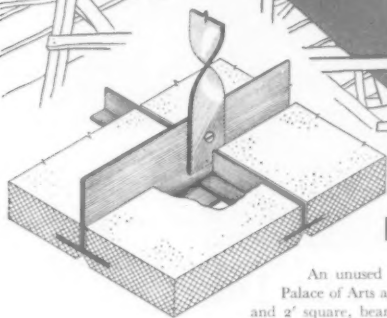
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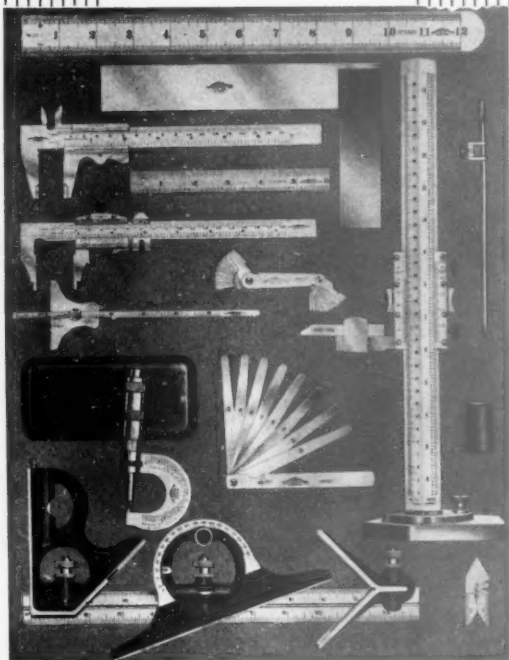
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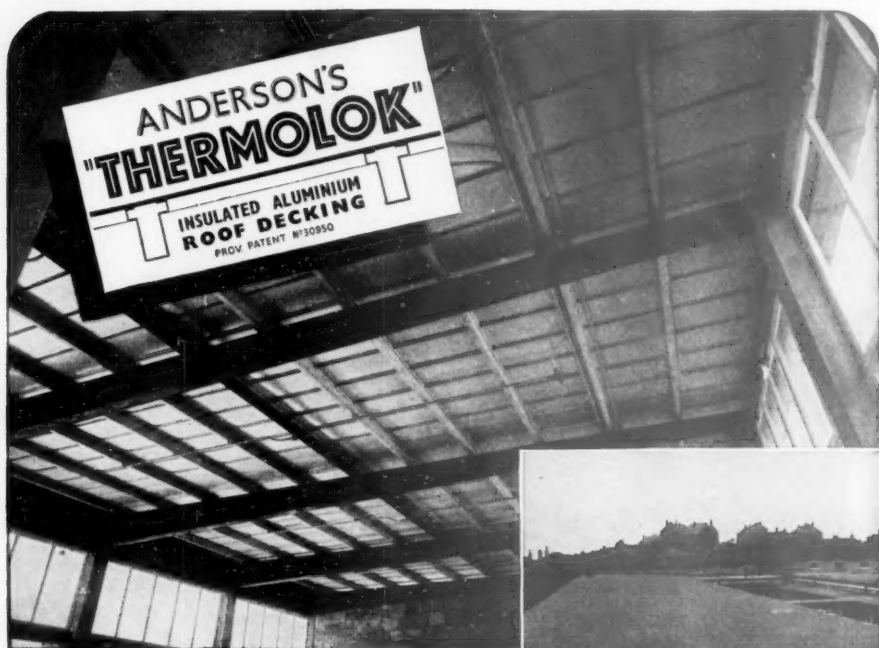
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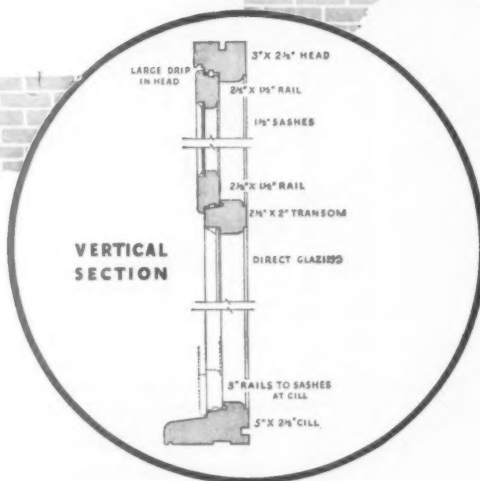
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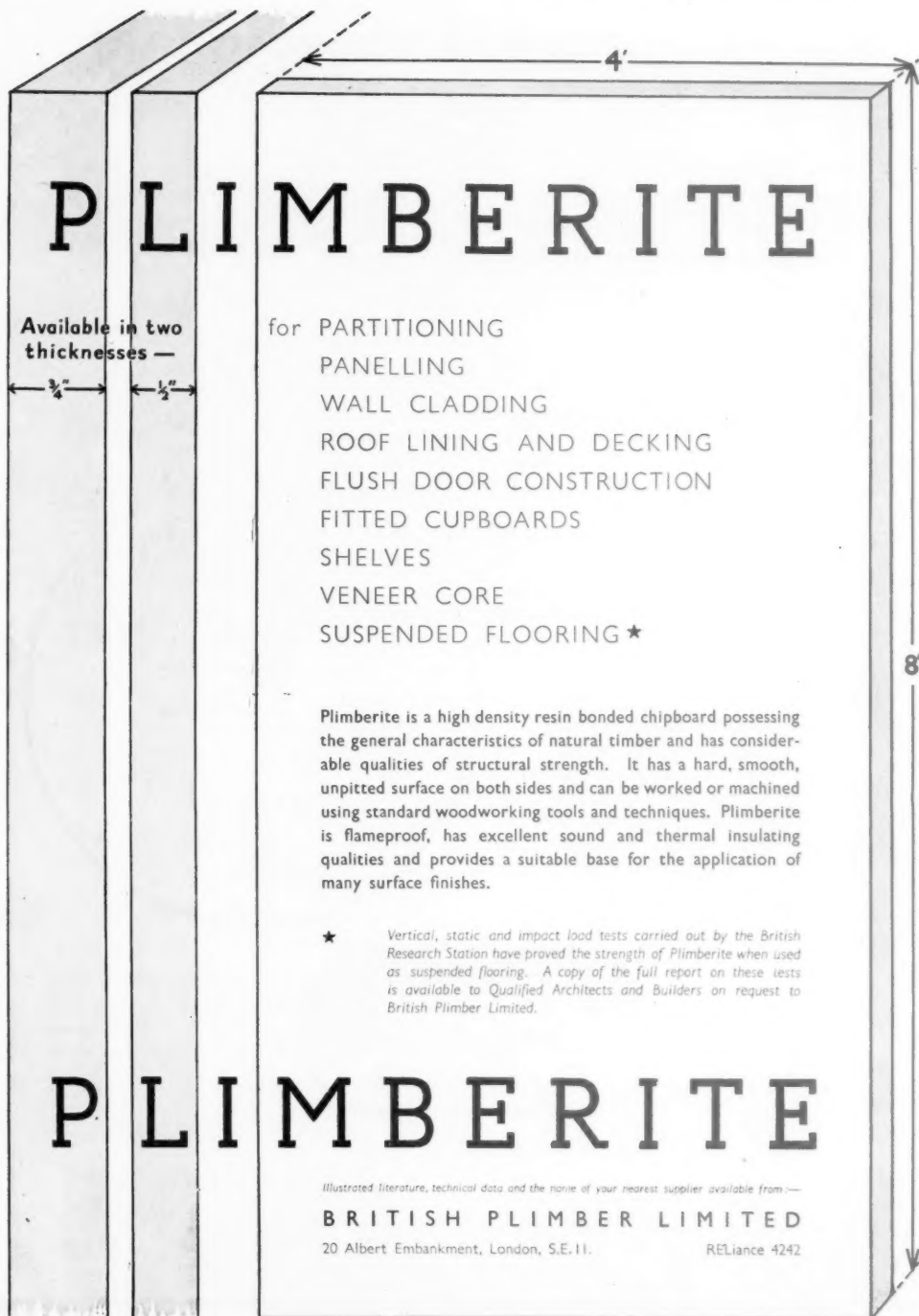
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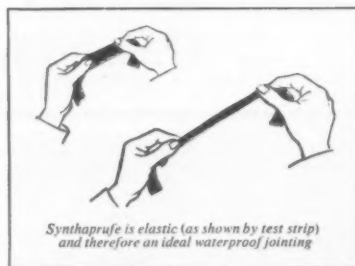


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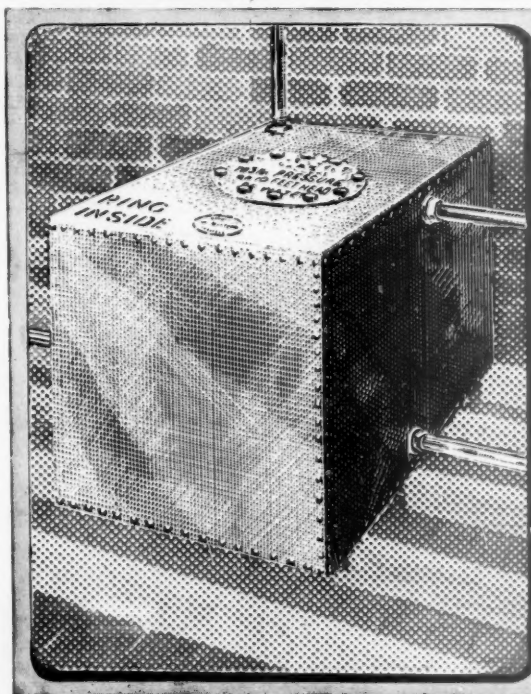
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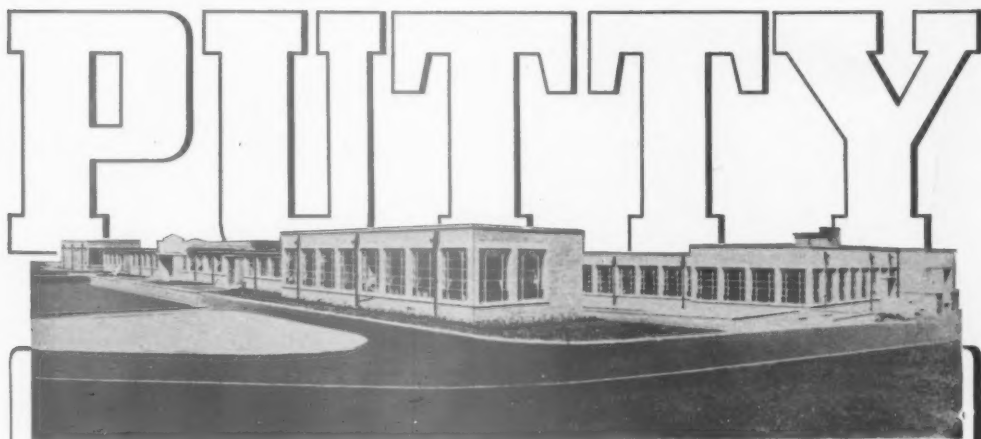
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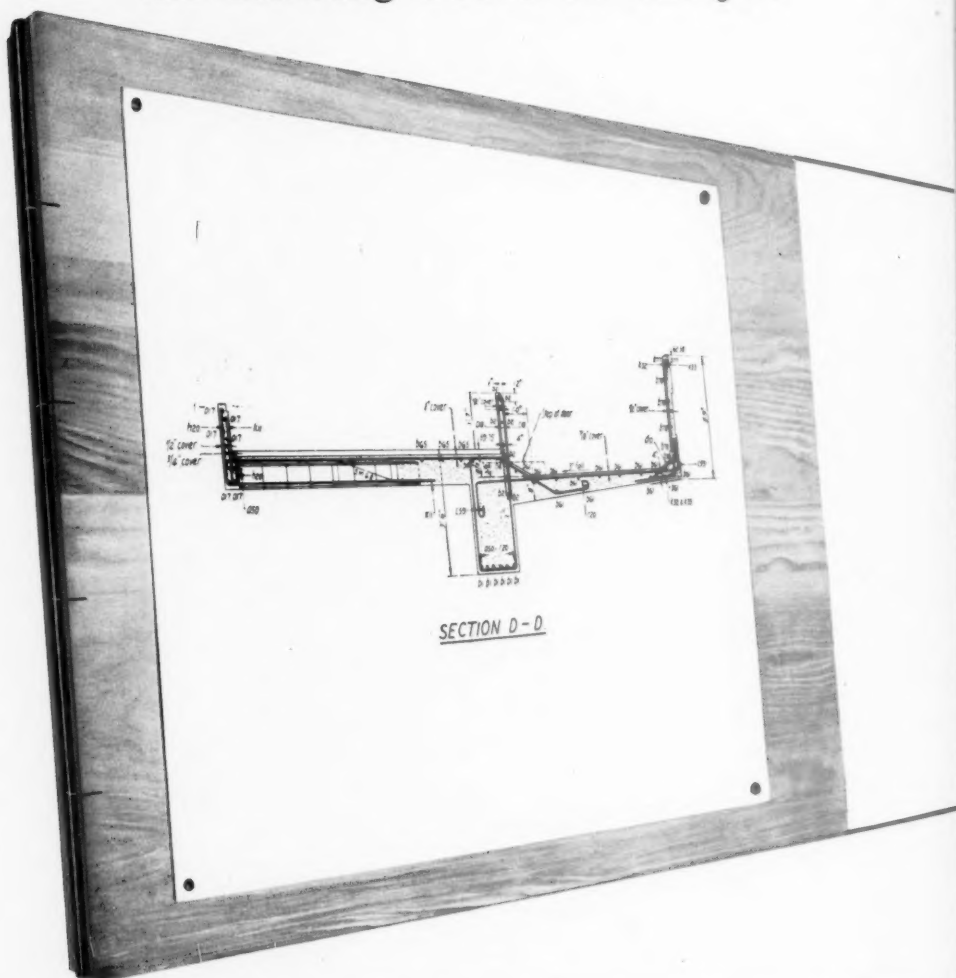
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Semastic Decorative Tiles were chosen for this heavily trafficked area not only because they provided the required underfoot colour and comfort, but because they could stand up to the strain imposed by the thousands of pairs of feet that enter and leave the cinema each day. In other words,

these tiles are both attractive and hard-wearing, both comfortable and tough. A further important feature of this type of tile floor is that an intricate motif or a name style such as the one above can be *inlaid*.

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THE
ARCHITECT
& BUILDING NEWS

August 2, 1951

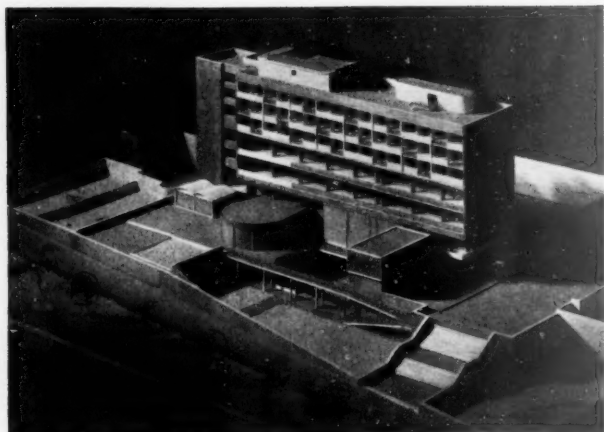
The "Architect and Building News" incorporates the "Architect," founded in 1869, and the "Building News," founded in 1854. The annual subscription, inland and overseas, is £2 15s. 0d. post paid; U.S.A. and Canada \$7.00. Published by ILIFFE & SONS LTD., DORSET HOUSE, STAMFORD STREET, LONDON, S.E.1. Telephone: WATERLOO 3333 (50 lines). Telegrams: "ARCHITONIA, SEDIST, LONDON."

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This perspective of a group of fishermen's cottages at Dunbar, drawn by Basil Spence, architect for the scheme, is in the Royal Scottish Academy. The cottages were illustrated in The "Architect and Building News" of 15/4/49.

E



EVENTS AND COMMENTS

THE REILLY MEDAL

Architects trained at the Liverpool University School of Architecture and others will remember that it was decided to commemorate Professor Reilly by founding a fund to enable the award of a medal and a cash prize to be made annually to the author of the best project in the final year of the degree course. My photographs show Miss Margery Thomas, who is the first winner and model of her scheme for the R.N.V.R. club in London, which is illustrated on pp. 127-8. Miss Thomas, who comes from Bridgend, Glamorganshire, is of pure Welsh descent and is distantly related to Prince Llewellyn. She attended Dr. Williams' School for young ladies at Dolgelly, where, if my information is correct, she was one of the brighter lights and became head girl. Miss Thomas found her first year at Liverpool somewhat disheartening, but made a smart recovery and won the "Clayworker" prize in both the third and fourth years. In addition to the Reilly Medal and a cheque for £35 Miss Thomas gained a first-class honours degree in architecture. Here is a woman architect of promise, but I suppose it would be too much to expect that she will remain a practising architect for long.

SOLID FUEL STORAGE

The Coal Utilization Joint Council, at a party last week at the Building Centre, presented a book called "Architectural Design Data for Solid Fuel." It is written and illustrated by John Pinckheard, and deals with problems of fuel storage and handling in the larger types of buildings. It should be a most useful addition to the architect's reference library. I am sorry that it is not made to the British standard size for trade literature, for the book really comes in the information sheet category. Mr. Eric Bellingham, Director-General of the C.U.J.C., intro-

duced the book and Mr. Pinckheard also spoke before answering questions. The very mention of solid fuel is like a red flag to some people who seem to think that everyone in the industry down to the coalman is a politician. Mr. Bellingham, however, skilfully kept questions to the point.

DOME, SKYLON, ETC.

Most of the jokes about the future of the Dome of Discovery and the Skylon have already been made. Serious suggestions are now appearing. According to the *News Chronicle* both Butlin and the Mills (circus) Bros. have had their eye on one or both. I hear, too, that the L.C.C. are considering bowling the Dome with the Skylon to Sydenham. I wonder how the M.O.W. would feel about granting licences for their re-erection? Meanwhile, entirely without a licence, Wednesbury boy scouts have built a skylon 30ft high almost entirely of Scout Staves. No river crossings for the boys meanwhile.

The future of the Festival Gardens at Battersea is also being debated. I have already said that I think that they should be made a permanent feature of the London scene. Battersea Borough Council thinks so, too, but Chelsea Council, which has behaved in a thoroughly Beaverbrook way about the Festival in general, opposes the idea. The Minister of Whatever-it-is proposes that the Gardens should remain open for five years, by the end of which period, presumably, we shall know definitely whether they should stay for good or not. The issue is largely a political one. Could anything more absurd be imagined? Politics apart, one of the main objections to the retention of the gardens is that the riverside walk in Battersea Park would be denied to the general public. This could quite easily be avoided. The high level part of the gardens could be made available to the public and the low-level

area could form the pleasure gardens proper. This idea would make some adjustment necessary in the plan, but it is well worth considering.

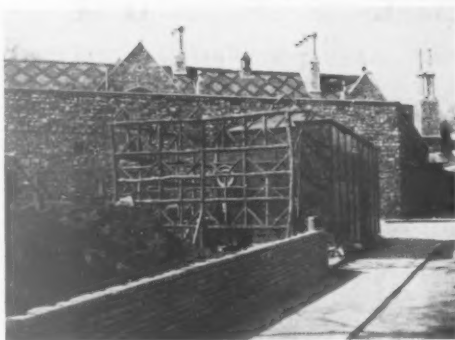
The Arts Council is interested in the Lion and Unicorn Pavilion and sees in it a happy release from its present reliance on the charity of the directors of our National Museums and Art Galleries. True to form the Beaverbrook press rushes in, in the shape of the Londoner, and starts talking about a "Mr. Morrison's Memorial." However, less attention is likely to be paid to his remarks than to a letter from Mr. Robin Darwin, Director of the Royal College of Art, which appeared in *The Times* on Saturday. He suggests that the Lion and Unicorn Pavilion should be re-erected on the vacant site which was once to be used for the National Theatre opposite the Victoria and Albert Museum. He further suggests that the building should be used to house some of the outstanding exhibits of the South Bank, in the same way that the Commissioners of the Great Exhibition built the "Western Galleries" in Queen's Gate to accommodate some of their more memorable pieces. Mr. Darwin suggests that such an arrangement would help the C.o.I.D. to discharge its function better and also supports the suggestion that the Arts Council should use the buildings for its periodic special exhibitions. He points out that its present site almost touching Hungerford Bridge, is not suitable for this purpose. The Lion and Unicorn Pavilion is scarcely a permanent building and Mr. Darwin is careful to point out that his suggestions only cover the "next few years," perhaps in the hope that we shall eventually have something comparable to the Museum of Modern Art in New York. The *Observer* also supports the use of the pavilion by the Arts Council, but on its present site. While I would like to see the Lion and Unicorn Pavilion preserved for as long as possible, because apart from anything else I think that it is an excellent building, I do not think that the site in South Kensington is really suitable; to begin with it is excavated and would mean either building up a staging for the pavilion or sinking it so that its all-round appearance would be entirely changed.

HUGH CASSON

While congratulating Hugh Casson on his appointment to a readership in Interior Design and congratulating the R.C.A. on adding another sparkler to its brilliant tiara I do hope that this will be but a stepping stone to something much bigger.

THE WALKER ART GALLERY

Closed since September, 1939, the Walker Art Gallery in Liverpool has just been reopened. The *Liverpool Post* brought out a special supplement in welcome. I was interested to see that among the "24 Gems" of the collection reproduced is a picture of the Burning of Liverpool, by Peter Shephard—of Bridgewater and Shephard—whose skill as a draughtsman has been mentioned here before. On the back page of the supplement are reproduced the four most popular pictures of the exhibition. These were chosen by Mr. Frank Lambert, the director of the Gallery before the war and are: "When did you last see your father," by W. F. Yeames: "Faithful Unto Death"—the Roman sentry in Pompeii—by Sir Edward Poynter—"Dante and Beatrice," by William Holiday; and "Friday"



—a parcel of monks at lunch—by Walter Dendy Sadler. Two of these pictures are among my earliest memories, I wonder what the child of to-day puts in their place. I must ask. I can still recall the clutching feeling which "When did you, etc.," always produced, and I may as well admit it still produces in me.

FESTIVAL IN BRISTOL

A reader has sent me a picture of a pleasant cast-iron public convenience which is being hidden from the scandalized public gaze by an exceedingly clumsy rustic screen, he writes pathetically:

"Here in Bristol we are launched on our Festival fortnight. When the tumult has died, the flags are removed and the candy floss is consumed, a few permanent reminders will remain.

"I thought you might like a photograph of one such reminder which some civic department has seen fit to erect; I refer to the folksey-twiggerly and not, of course, to the convenience, the use of which has been observed for many years from a nearby bus-stop.

"The municipal wall (also shown in the picture) will retain a new municipal flower bed. I understand that a Municipal rose will be encouraged over the twigs."

I know just how you feel, sir, but Bristol has nothing on London which this year has spawned an unbelievable number of the worst type of Chelsea Flower Show gardens which are honestly admired by vast numbers of the populace.

SLUM CLEARANCE

The problem of replacing the houses destroyed in London during the war has distracted attention from the fact that there has been no slum clearance since 1939. The L.C.C. has now agreed upon a five-year programme with Metropolitan Boroughs Standing Joint Committee. About twenty thousand dwellings must be replaced and the Minister of Local Government and Planning has agreed that up to 3,000 houses a year may be demolished, as long as the new dwellings for the displaced people are regarded as part of the total building allocations of the Council and the Metropolitan Borough Councils. This will mean, I suppose, that an additional 3,000 families, or more, a year will have to be put on the waiting list. I wonder how the priorities will be calculated.

ABNER

NEWS OF THE WEEK

L.C.C. Annual Reception

The Annual Reception of the London County Council took place on Friday, July 27th, at County Hall, Westminster Bridge. The guests were received by the Chairman of the Council the Rt. Hon. J. W. Bowen, C.B.E., J.P., and Mrs. Bowen. The programme included music by Tom Jenkins and his Palm Court Orchestra who played in the Council Chamber, and dancing to Teddy Hayes's Dance Orchestra in the Conference Hall. The Hogarth Puppets and the film "Capital County" were on show in other rooms. Four exhibitions showed the South Bank, The County of London Development Plan, 1951; South Bank Treasure Trove and Exhibits of the Council's Work. The Members' Terrace was opened for guests during the evening.

The majority of the Mayors of the Metropolitan Boroughs with their wives, and many representatives of the various administrative bodies of Metropolitan London attended the Reception.

The occasion was honoured by the appearance of Her Royal Highness Princess Alice and the Duke of Athlone, who is Chancellor of London University. The Prime Minister and Mrs. Attlee, the Foreign Secretary, the Archbishop of Canterbury, and the Lord Mayor and Lady Mayoress of London were among other distinguished guests.

Halifax Redevelopment Plan

Last week Halifax Town Development Committee approved a twenty-year development plan to cost £33,000,000. The scheme includes new schools, industrial development, nearly 6,000 new houses and as a later development a new civic centre with a central library, public baths and local offices. Three areas are scheduled for redevelopment as follows: (1) New Bank, Range Bank, Claremount, and Horley Green; (2) Pellon Lane, Commercial Road, and Corporation Street; (3) Gibbet Street, Hanson Lane and Bedford Street.

Honour for Architect

On November 9, when the Princess Royal is installed Chancellor of Leeds University and opens the new Parkinson building, honorary degrees will be conferred on a number of eminent personages. Those who have helped to design and build the new block are being similarly honoured. Mr. T. A. Lodge, F.R.I.B.A., a partner in the firm of Lanchester and Lodge, architects for the Parkinson block, is to receive the degree of B.Litt.

Industrial Art Bursaries Competition, 1951

The Royal Society of Arts' annual Industrial Art Bursaries Competition

will this year include Sections for the design of: Carpets; Domestic Electrical Appliances; Domestic Gas Appliances; Domestic Solid-Fuel-Burning Appliances; Dress Textiles; Electric-Light Fittings; Footwear; Furnishing Textiles; Men's Wear Fabrics; Plastics; Wallpaper.

The Competition is open to full-time, part-time and evening-class students between the ages of 17 and 30 on 1st September, 1951, who intend to take up industrial design as a career, and who have studied for not less than one term since 1st September, 1950, at an art, architectural, technical or other college or school approved by the Society for the purpose of the Competition. Entry in the Domestic Solid-Fuel-Burning Appliances Section is also open to any draughtsman, clerk, or similar person, within the same age limits, already engaged in the Solid-Fuel-Burning Appliances Industry, provided that his application is sponsored by the Coal Utilization Joint Council.

Particulars of the Competition and entry forms can be obtained from the Secretary of the Royal Society of Arts, the Principals of the Schools and Colleges concerned, and the Secretary of the Coal Utilization Joint Council. The closing date for the receipt of entry forms is 15th October, 1951.

The total value of the Bursaries offered in this year's Competition is £2,100. The awards made in last year's Competition totalled £1,705.

London Housing Competition

London Corporation invites architects to submit designs for a new housing scheme in Golden Lane, E.C. The assessor is Mr. Donald H. McMorran, F.R.I.B.A. Premiums are 1,000, 700, 500 and 300 guineas. Conditions may be obtained from the Town Clerk, 55/61, Moorgate, E.C.2. Designs must be submitted by January 13, 1952.

APPOINTMENTS

Mr. Wyndham Goodden has been appointed director of the Rayon Industry Design Centre, at 1, Upper Grosvenor Street, W.1. He succeeds Mr. Dennis Lennon who left last year to take up private practice. Mr. Goodden is at present Chief Officer of the Scottish Committee of the Council of Industrial Design.

*

Mr. Dorian H. S. Prince, A.R.I.B.A., of Lionel H. Fewster & Partners, 22, Conduit Street, London, W.1. and 6, Liverpool Terrace, Worthing, has now left the partnership on his appointment to the Architectural Staff of the Ministry of Works of the New Zealand Government. His new address is c/o The National Bank of New Zealand,

182, Featherston Street, Wellington, New Zealand.

ANNOUNCEMENTS

For the benefit of students and other groups who have a special interest in modern building, architecture, town-planning, and sociology the Festival authorities have decided to offer tickets for the Exhibition of Architecture at Lansbury, Poplar, at the reduced rate of 1s per ticket to purchasers of 20 tickets or more. The price of an ordinary single ticket is 1s 6d. The price for children, aged from 5 to 15, remains 9d, whether by single or group purchase.

The sole selling agency for these groups of tickets is The Manager, Festival Exhibition, East India Dock Road, London, E.14. Orders sent by post should be accompanied by remittances.

*

The Library of the Architectural Association will be closed from Friday, August 10, for one week and will not open on Saturdays during August.

EXHIBITIONS

Dry Rot and Woodworm Exhibition, September 12-20, Art Gallery, Reading, 10 a.m.-7 p.m.

Open Air Exhibition of Sculpture, Battersea Park, is to be kept open until September 30, 1951.

OBITUARY

The death has been announced of Robert J. Richardson, of Lochmaben, at the age of 55.

CORRESPONDENCE

C.I.A.M. 8 Meeting at the R.I.B.A.

To the Editor of A. & B. N.

Sir,—Mr. Rosenthal, in his report on the final meeting of C.I.A.M. 8, which was held at the R.I.B.A. Henry Florence Hall, said that "He was given to understand in not uncertain terms, the room was merely loaned by the R.I.B.A."

This may have given the impression that there is a lack of good will between the R.I.B.A. and M.A.R.S. On the contrary, the Finance and House Committee of the R.I.B.A. Council have in the past given every facility for the holding of M.A.R.S. meetings and lectures in the R.I.B.A. premises for which the M.A.R.S. Group is very grateful.

It is necessary, however, in this case to make clear that statements made in open discussion during the C.I.A.M. meeting were in no way connected with the R.I.B.A.

I am, etc.,

H. T. CADBURY-BROWN,
Administrative Secretary, C.I.A.M. 8.

IN PARLIAMENT

National Theatre

Brigadier Medlicott asked the Chancellor of the Exchequer what steps were being taken to ensure that the design of the national theatre to be built on the site of the South Bank Exhibition would be such that its exterior appearance would be pleasing and dignified and worthy of the position it would occupy in the heart of London.

Mr. Gaitskell — The National Theatre Act, 1949, provides that a satisfactory scheme for the erection, equipment and management of the National Theatre shall be submitted to the Treasury before public money may be made available to the Trustees of the Shakespeare Memorial Trust. When this is done, I shall consult the Minister for Local Government and Planning and the Royal Fine Art Commission before giving my approval. (July 24.)

Government Offices

Mr. Bossom asked the Minister of Works for the number, the amount of accommodation and the cost of all offices built in London since 1945 for the use of the Government or the boards of nationalized industries. Mr. Brown informed him that since 1945 the Government had erected for use by its staff in the London area 14 offices which provide 1,100,000 square feet of accommodation at a cost of £3,250,000. Private developers had built and leased to the Government 21 offices providing 1,300,000 square feet at a capital cost of about £4,800,000. Offices in course of construction consisted of 16 with a total area of 900,000 square feet by the Government, and 19 with a total area of 1,100,000 square feet by private developers for lease to the Government. Total expenditure on these offices to the end of June, 1951, amounted to about £3,300,000 and £4,150,000 respectively. The figures for nationalized industries would take some time to collect. (July 24.)

Relaxation Refused

Mr. Oakshott asked the Lord Privy Seal whether he would now restore the right to buy retail small quantities of softwoods without a licence, at present prohibited under the Control of Timber, No. 52, Order. Mr. Stokes refused, saying that there were a number of essential requirements which must be met before the relaxation suggested could be made. (July 25.)

Non-traditional Advice

The Secretary of State for Scotland informed the House on July 26 that he had appointed a Scottish Examination Panel whose task would be "To examine plans and specifications, referred to the Panel by the Secretary of State, for the construction of houses in Scotland by new methods or materials and to advise him whether the method of construction, the materials and the specifications generally are suitable for



Guests waiting to dance in the foyer of the Royal Festival Hall at the recent Gala Concert and Dance, arranged to mark the end of the Festival Congress of Architectural Students in London.

permanent local authority housing in Scotland." He has appointed Mr. Lockhart W. Hutson, past-president of the Royal Incorporation of Architects in Scotland, as chairman of the Panel. The other members are—Mr. James Austen Bent, Assistant General Manager, Scottish Special Housing Association, Ltd.; Mr. T. Bertram, County Architect, Midlothian County Council; Mr. Robert Boyd, Provost of Greenock; Mr. Joseph L. Gleave, Architect; and Mr. James A. F. Morrison, City Quantity Surveyor, Dundee.

Reconditioning Grants

Mr. Digby asked the Minister of Local Government and Planning whether, having regard to the fact that there were many small local building firms not equipped to undertake new housing contracts, but which were well qualified to undertake the reconditioning of existing buildings, he would consider abolishing the £600 maximum and the need for licensing work for which a local authority had approved an improvement grant. Mr. Lindgren, Parliamentary Secretary, said "No." The retention of local quotas for licensing was essential to best use of national building resources, but the Minister was prepared to consider exceptionally an application from a local authority even though the estimated cost of the works exceeded £600. To increase the £600 maximum would require legislation. The Minister had repeatedly stated that he was prepared to consider allocations to particular local authorities in the light of their performance. (July 24.)

Labour in New Towns

Details of the numbers of men engaged on house construction and asso-

ciated site development for the Development Corporations in the New Towns on comparative dates in Dec. 1950, March 1951, and June 1951, were given by the Minister of Local Government and Planning in reply to Mr. C. I. Orr-Ewing on July 23. The figures, which relate to the last pay days in each month, do not include labour engaged on post office, gas and electricity services.

	Dec. 1950	March 1951	June 1951
Aycliffe ..	205	381	543
Basildon ..	73	79	308
Bracknell ..	12	23	56
Corby ..	—	—	—
Crawley ..	488	559	821
Cwmbran ..	—	—	—
Harlow ..	599	759	887
Hatfield ..	64	118	135
Hemel	—	—	—
Hempstead	500	737	939
Peterlee ..	129	290	395
Stevenage	294	589	1,081
Welwyn ..	157	177	245
	2,521	3,712	5,410

Wind and Water Power

The British Electricity Authority, the North of Scotland Hydro-Electric Board, and the Electric Research Association are all, according to information given by the Minister of Fuel and Power (Mr. Ellis Smith, July 23) experimenting in the use of wind for power. The Hydro-Electric Board is rapidly expanding the use of water power in Northern Scotland, and the British Electricity Authority is studying its use elsewhere. But much the greater part of our electricity must be supplied from thermal stations using coal.



PRIMARY SCHOOL, RICARDO STREET, LANSBURY

architects: F. R. S. YORKE, E. ROSENBERG and C. S. MARDALL
 assistant in charge: K. W. GRIEB

THE new Ricardo Street Primary School, renamed the Susan Lawrence School, occupies the site of the old school which was destroyed in the "blitz" together with additional land to form an island. The buildings are free-standing towards the north of the site to give open space on the south. A paved court at the north-east corner of the site will form part of a new square and from this is the main entrance to the assembly hall block. The school is designed to accommodate 320 juniors and 200 infants in the main building and attached to it is a nursery school for 80.

The main building is planned on two floors, the juniors occupying the first floor in 8 classrooms and the infants the ground floor in 5 classrooms. The remainder of the ground floor of the classroom block is occupied by the common dining room and kitchen. The two assembly

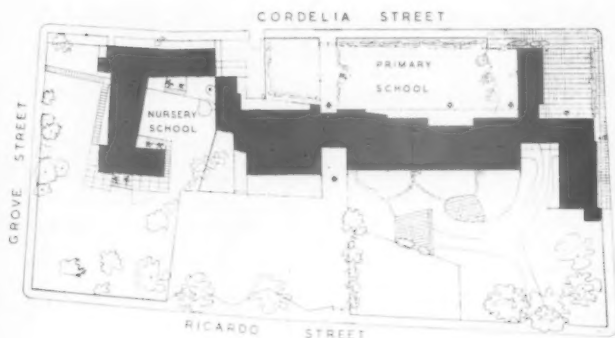
halls are placed one above the other, approached directly on each floor from the classroom block, and both from the common main entrance. The administration block forms a wing projecting north at the junction of the classroom and assembly hall blocks, and staff is accommodated on two floors approached directly from each school. The second floor of this block forms a caretaker's flat.

The classroom block is so designed that both ground- and first-floor classrooms and lavatories get cross lighting and ventilation, the first-floor classrooms being approached by bridges across a light well.

The nursery school is a separate single-storey building self-contained except for sharing the mechanical services with the main school.

The paved playing areas for juniors and infants are separated, the juniors on the south side and the infants

Left, the south front of the school and playground. The school forms part of the Festival of Britain Architecture Exhibition at Lansbury, Poplar.



Below : The junior and infants assembly halls are on the right. The copper-roofed staircase on the left links ground and first-floor corridors. See plans on page 118.

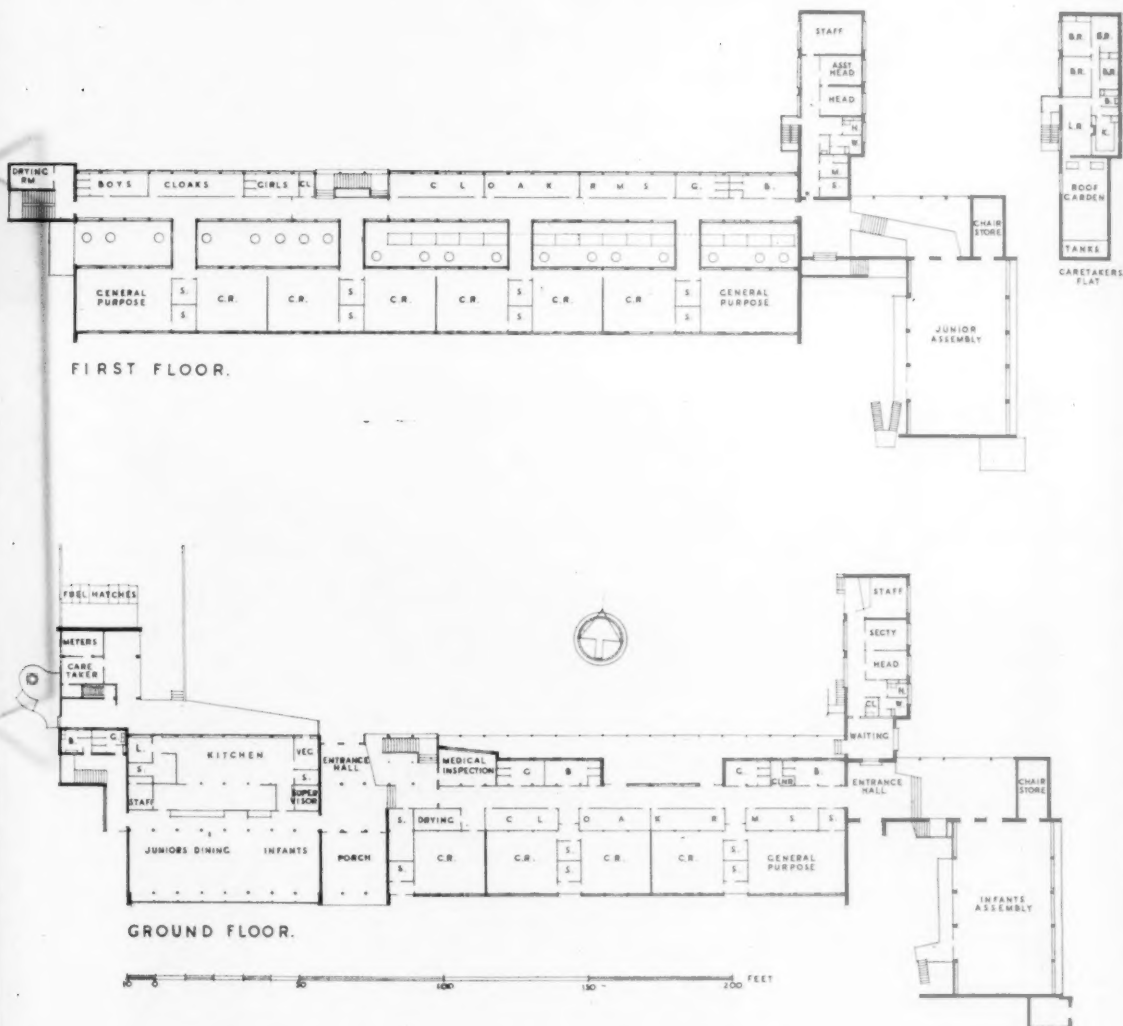
Below : The main entrance and porch, south front.



on the north. Each is separately approached from the classrooms. Quiet garden and outdoor teaching areas are provided on the south side of the ground-floor classrooms and outside the assembly halls.

The nursery school has entirely separate paved play spaces, sand pits and garden.

The classroom block is planned on an 8ft 3in grid and constructed with a light welded steel framework, faced externally with 8ft 3in x 1ft 4in x 2½in spar-faced concrete slabs. Floors and roofs are formed of precast concrete units spanning between beams. The steelwork of the ground floor is protected against fire by gypsum plaster



PRIMARY SCHOOL, RICARDO STREET, LANSBURY

on expanded metal. All ceilings are of wood wool. The ends of the classroom block are stopped by yellow stock brick walls. Similar bricks are used as the structural material for the remainder of the building except the assembly hall group which is constructed of reinforced concrete and steel with stock brick and Horton stone facing and roofed with copper on low pitched steel trusses.

The administration block is constructed of load bearing stock brick walls and hollow pot floors and roof.

Except for the assembly hall the main building is covered with built-up bituminous felt roofing with spar finish on $\frac{1}{2}$ in insulation board.

The acoustic floor of the junior assembly hall consists of 1 in T and G Sepele boarding on $2\text{ in} \times 1\frac{1}{2}\text{ in}$ splayed battens on 1 in of weak screed on the top of a layer of building paper. Beneath the building paper are two $\frac{1}{2}$ in

layers of Tentest. The floor is insulated from the main structure by a $3\text{ in} \times 3\text{ in}$ border of cork.

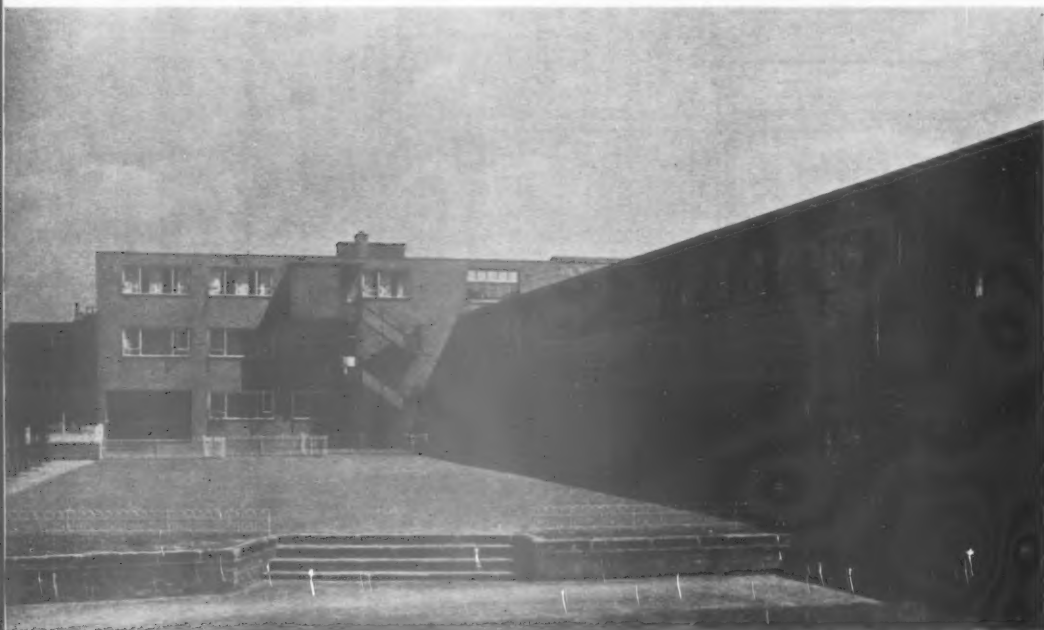
Windows of the administration block are of extruded aluminium in wood frames, all other windows are zinc sprayed steel.

Heating of all classrooms is by floor panel. Hot water radiators or coils are used elsewhere.

GENERAL CONTRACTORS: TERSONS, Ltd.

Acrotile Floors: Armstrong Cork Co., Ltd. Ceilings: Sundela Board Co., Ltd. Doors: Gliksten Doors, Ltd. Fencing: Bayliss, Jones & Bayliss, Ltd. Flooring: Granwood Flooring Co., Ltd. Garden Layout: Grassphalte, Ltd. Handrails: Clark, Hunt & Co., Ltd. Ironmongery: Rennis, Ltd. Joinery: Rippers, Ltd. Partitions to Lavatories: The Mosaic & Terrazzo Precast Co. Plaster—Fibrous: Dejong. Roofing: Fredk. Braby & Co., Ltd. (Copper); Wm. Briggs & Sons, Ltd.; Stramit Boards, Ltd. Sanitary Fittings: Stitsons Sanitary Fittings, Ltd. Sprayed Ceilings: Meta Mica, Ltd. Structural Steel: Hills (West Bromwich), Ltd. Venetian Blinds: Tidmarsh & Sons. Windows: Williams & Williams, Ltd.

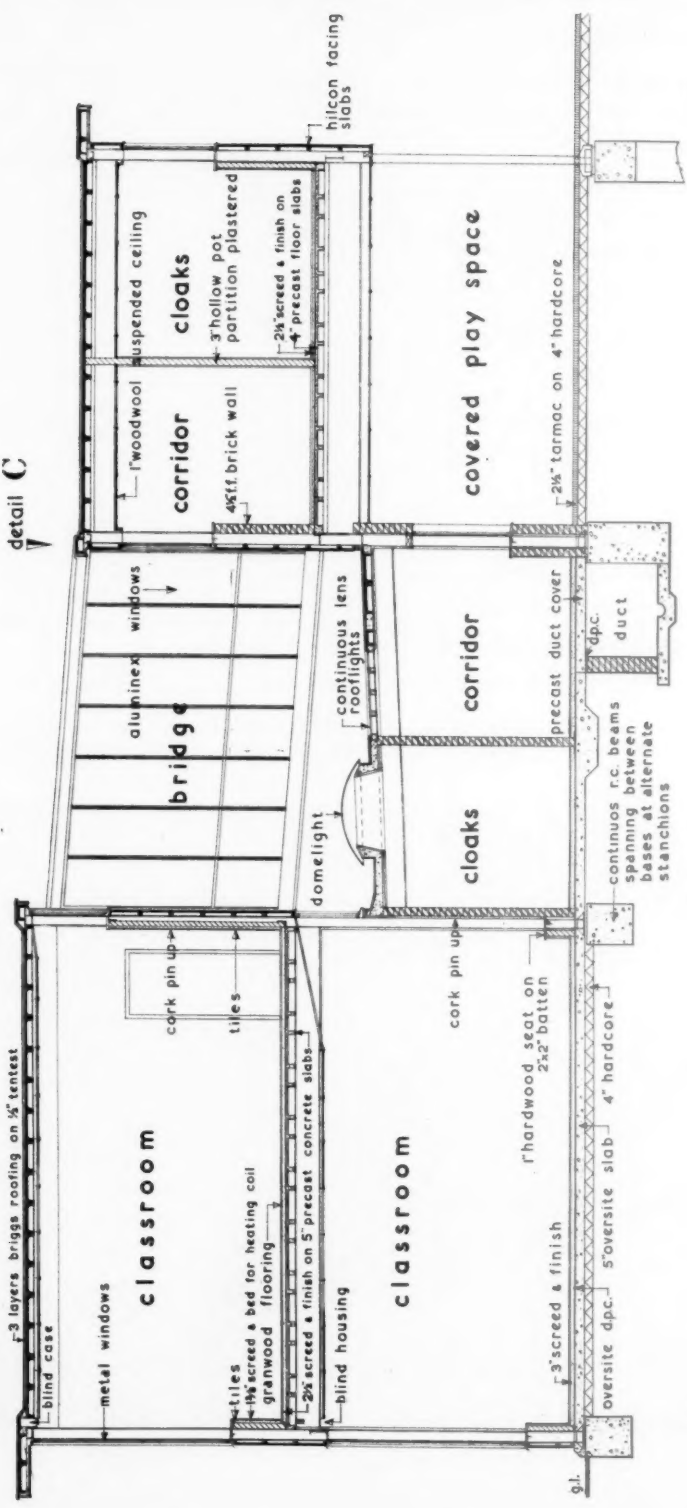
View from West. The administration wing with caretaker's flat over faces the camera. On the right is the covered-in play space with cloakrooms over.



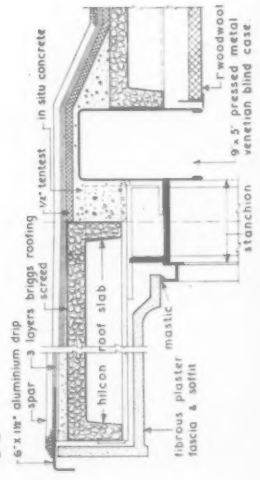
detail A

detail B

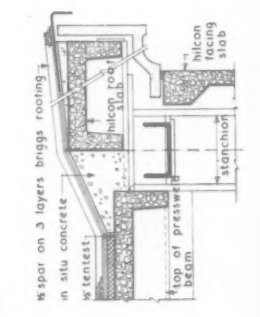
detail C



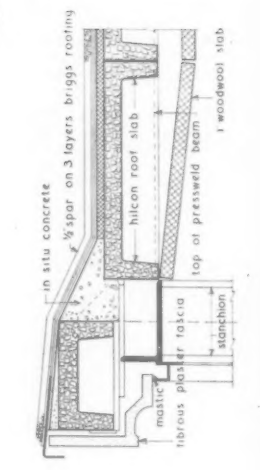
A



B



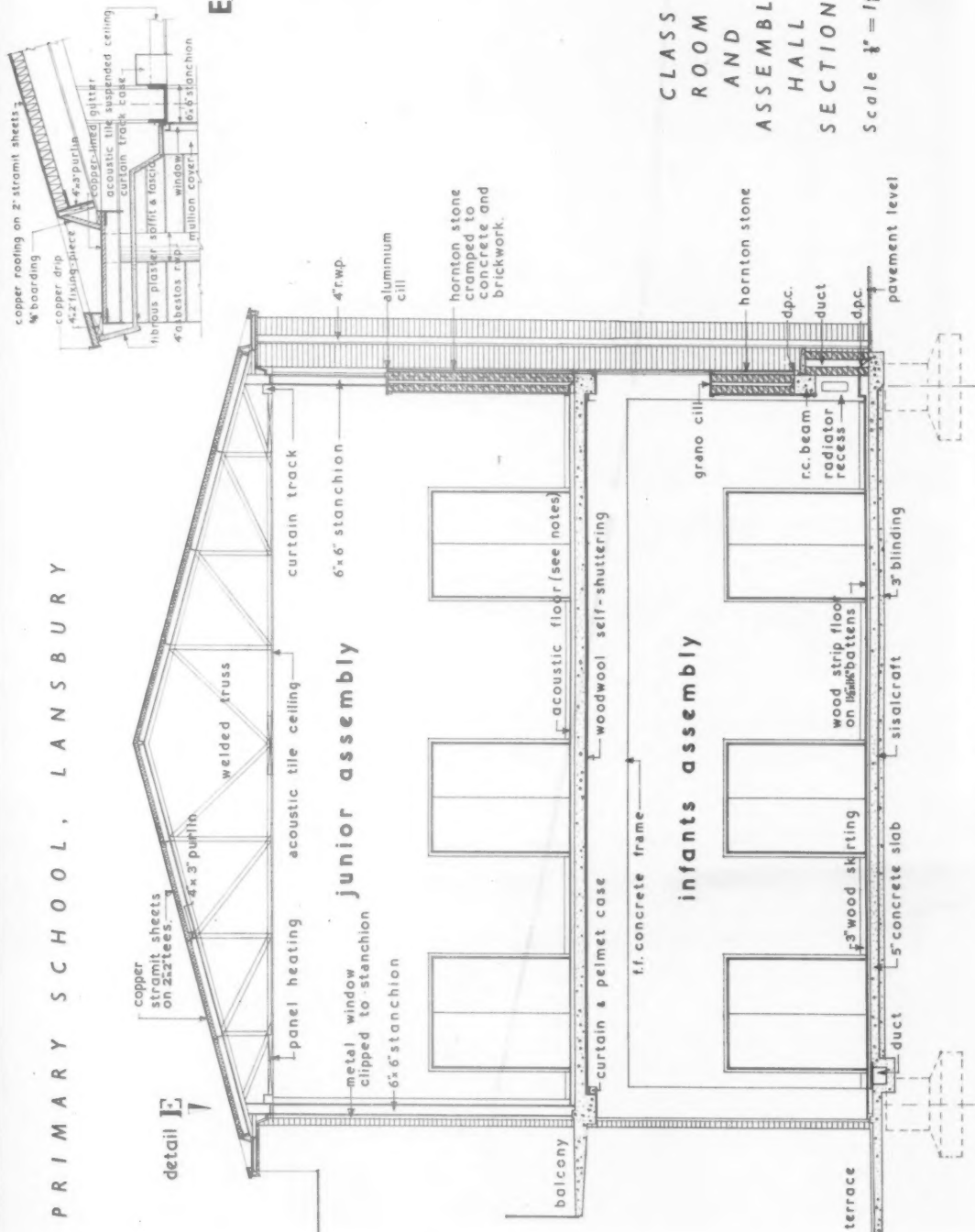
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PRIMARY SCHOOL, LANSBURY

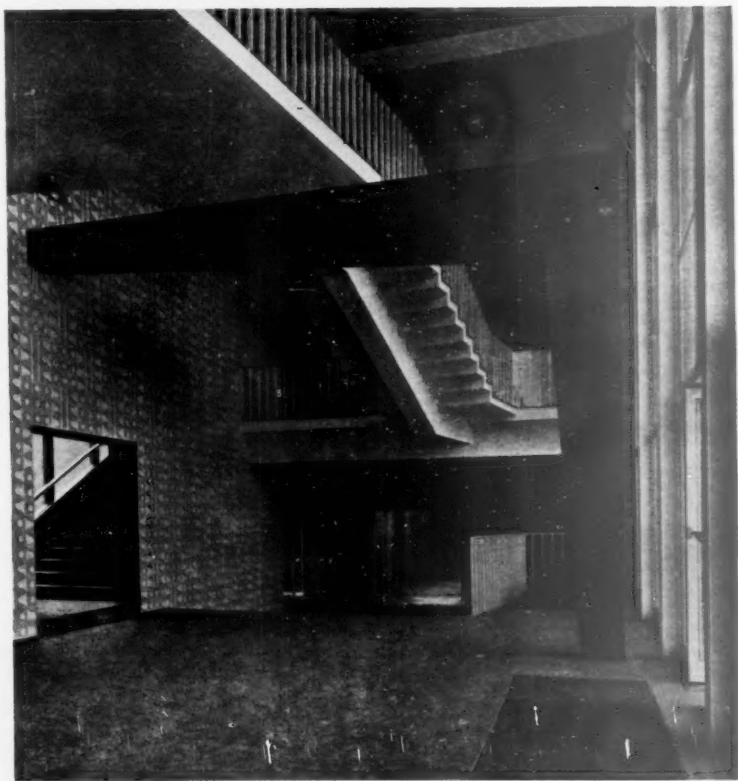
CLASS ROOM AND ASSEMBLY HALL SECTIONS

Scale $\frac{1}{8}" = 1'0"$





Two views of the fly-over staircase in the entrance hall. In the bottom picture the main entrance is on the right. The yellow and grey patterned wall tiles were designed by Peggy Richards. The underside of the staircase main support is white, the sides are rust red. The floor is of Hornton stone. The tiled back wall is lit by floodlights at night so that through the main windows the staircase is seen silhouetted against it.



PRIMARY
SCHOOL,
LANSBURY



The dining room. Juniors and infants are divided by the removable screen of sealed pine slats seen at the far end. Finishes: the servery wall is green patterned glazed tiles. Ceiling soffit coral; wood wool ceiling sprayed white; columns painted grey.

Assembly Hall



General purpose classroom

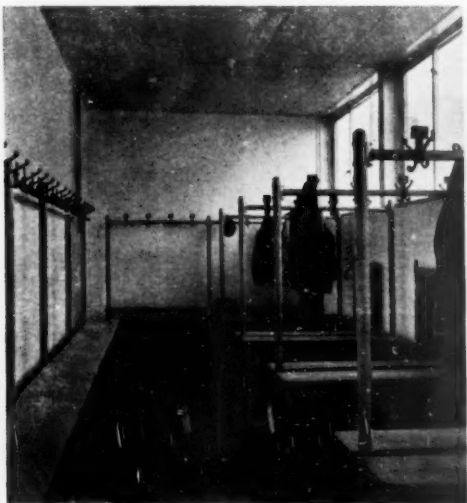


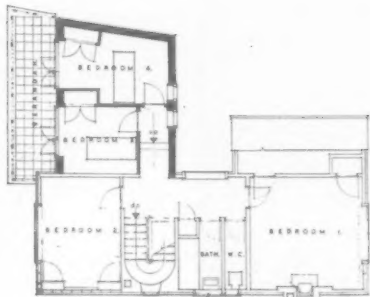


PRIMARY
SCHOOL
RICARDO
STREET
LANSBURY

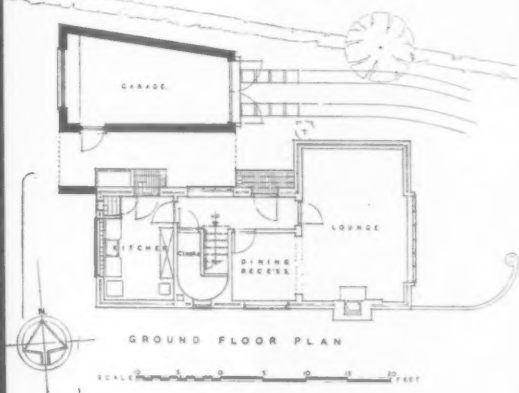
First-floor corridor. The brick walls are cream Flint Limes, fair faced. The doors are metal painted white. Concrete sills to windows are grey. Floor tiles are grey composition. The corridor has four cork pin-up panels above glazed tiled dado, with tiles coloured green or gold alternately. Below, left, are cloakrooms and to the right boys' lavatories.

architects: F. R. S. Yorke, E. Rosenberg & C. S. Mardall





FIRST FLOOR PLAN



GROUND FLOOR PLAN

SCALE 0 5 10 15 20 FEET



Tile Cottage, Orpington

EXTENSIONS

architect:
OLIVER E. STEER
A.R.I.B.A., A.M.T.P.I.



THE problem presented to the Architect was to add two bedrooms and a garage without destroying the simplicity of the house in Crofton Lane, Orpington, Kent, designed by him and built at the outbreak of the War for £720.

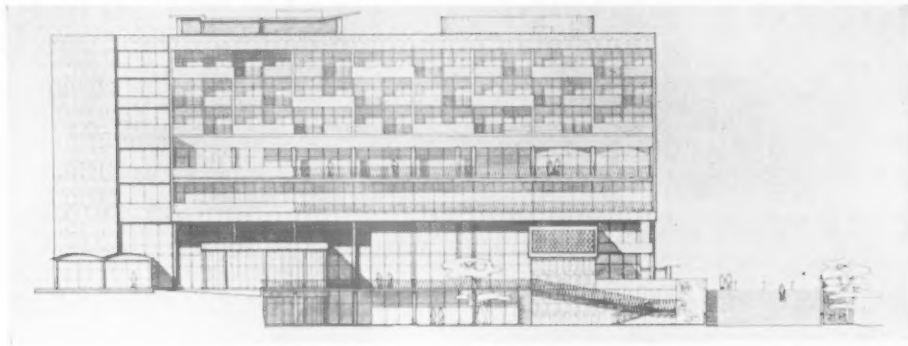
By using a low pitch copper roof the eaves line was maintained and vertical tile hanging continued around the new extension. The extra length required for the garage forms a pleasing balcony, roofed with built-up felt and paved with asbestos tiles. The oak balustrade is untreated, main walls 9in brick with 9in clinker block above, to which the tiling battens were spiked direct.

The cost of the extensions was £860.

General Contractors : Eltham Construction Co., Ltd.

Sub-Contractors : Broderick Insulated Structures Limited.

TILE
COTTAGE
ORPINGTON



REILLY MEDAL AND PRIZE AWARD 1951

Project for an R.N.V.R. Club, St. James's Place, W.1

designed by: MISS MARGERY THOMAS
Liverpool School of Architecture

THE building is organized about three cores of circulation; the main staircase, the secretary's staircase and passenger lifts, the service lifts and the staff staircase and lift situated at the end of the main block.

Lightness of treatment and functional expression were accepted as a necessary part of the design, and it was in this interest that the subdivisions of the main items of accommodation were made.

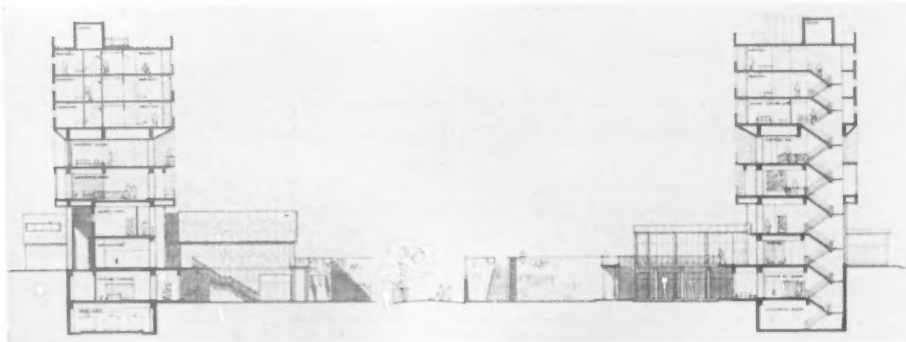
Underneath the main block, which is raised on columns two storeys above the ground-floor level, runs the main entrance hall, lounge space and service and staff entrances. On the floor above, the various offices of the club and the kitchens are situated. These two floors are enclosed in glass walls on the garden elevation, exposing where possible the columns supporting the high block.

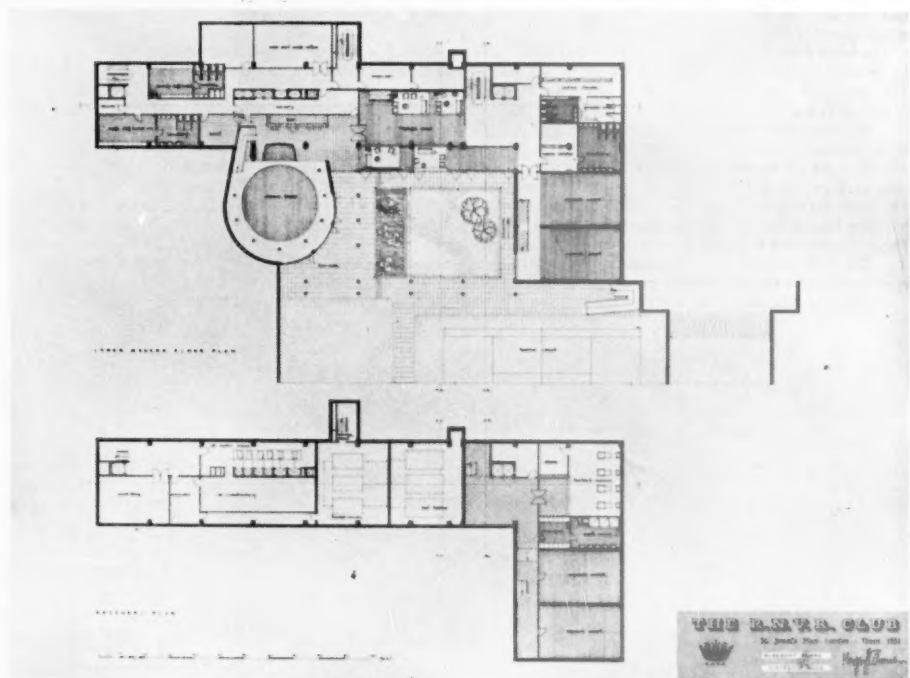
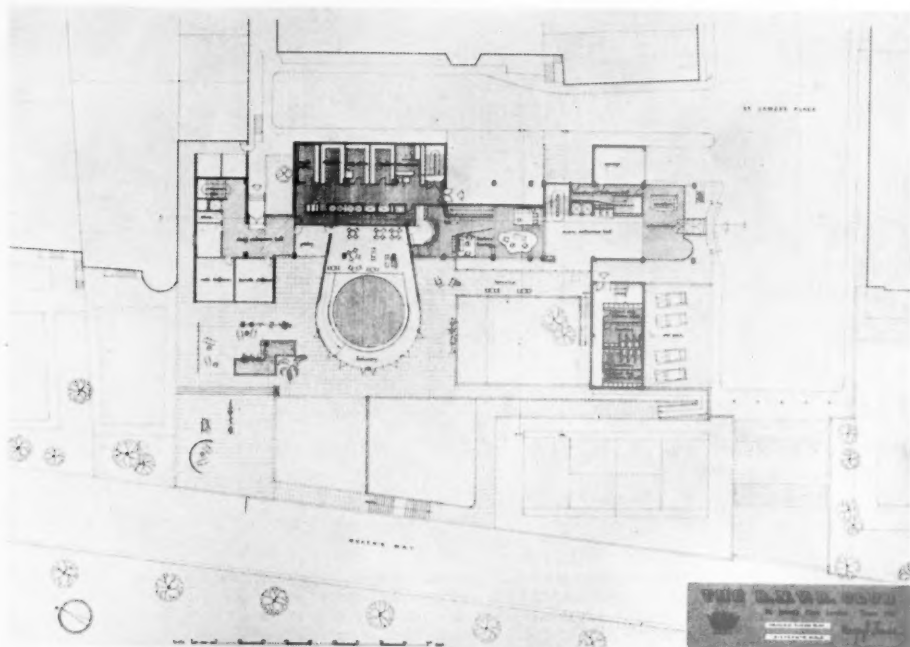
The main block is subdivided into reception rooms and bedrooms. Division of the two elements in this was made by introducing a semi-promenade deck at third floor level and by different elevational treatment and construction. The reception rooms at second and third floor level are contained within a reinforced concrete frame, the walls facing on to the garden being entirely glazed. The promenade floor is freely planned and the columns are exposed.

At fourth floor level the columns support a reinforced concrete raft which in its turn supports the box framing of the bedroom block. The frame is expressed on the south-west elevation allowing balconies to the bedrooms. The frame on the north-east elevation is clad in a screen wall punctuated by windows. The side walls, which act only as screens, together with the long wall on the north-east elevation, are faced with slabs of reconstructed Portland Stone. The same treatment is applied to the staircase block. This main block of the building is set back from the original building line on the garden facade, allowing the Ballroom and Administrative blocks to project forward beyond it. The encroachment on the garden is small and the projecting elements themselves are treated as lightly as possible.

The Ballroom extending through the ground floor to the lower ground floor has glass walls and a concrete slab roof with access to the terrace and garden by means of sliding folding doors.

The Administrative block is stone faced and provides office and lavatory accommodation.





CURRENT MARKET PRICES (LONDON)

(These prices apply to material purchased in the quantities named or otherwise as might be expected for a new building of medium size.)

AGGREGATES AND SAND

1½ inch—all in—ballast	20/-	Yard cube
¾ inch do. do.	20/-	delivered
¾ inch screened shingle	19/5	(in five yard
¾ inch do. do.	19/5	loads or
¾ inch granite chippings	55/-	more)
Sharp washed sand	19/5	
Pit sand	18/2	
Building sand	18/2	
Broken brick	17/6	
1½ inch shingle	19/5	
Cartage of muck	7/-	

CEMENTS, LIMES, PLASTERS, ETC.

London: Delivered centrally.			
CEMENTS—Portland (6 ton loads)	91/-	Per ton	
Do. (but 1 ton to 5 tons 19 cwt.)	96/-		
Do.—Rapid hardening (6 ton loads)	97/-		
Do.—Do. (but in 1 ton to 5 tons 19 cwt.)	102/-		
Do.—"Aquacrete" (but in 1 ton to 5 tons 19 cwt.)	128/6		
Do.—"417" or Polar (1 ton to 5 tons 19 cwt.)	128/6		
Do.—White (1 ton lots)	248/6		
Keenes Cement—pink—coarse (2 ton lots)	169/-		
Do.—white—coarse (do.)	174/6		

LIME—	109/-	(1 ton loads)	deliv'd.
Hydrated	109/6	(2/3 do.)	do.
and	99/6	(4/5 do.)	do.
Ground	98/6	(6 do.)	do.

PLASTER—	Price	unit	bags	included	delivered
Sirapite, coarse	122/3	per ton			
Do. finish	130/3	do.	do.	do.	
Hardwall	125/9	do.	do.	do.	
Plaster, pink coarse	122/-	do.	do.	do.	
Do. white do.	129/6	do.	do.	do.	
Lime and hair	78/-	per yard cube	—	do.	
Plaster baseboard	2/3½	yard super (150 yds.)		do.	

FIRECLAY—			
Stourbridge, loose (1 ton lots)	139/6	Ton delivered	
Fire cement	10/3	14 lbs.	

BRICKS

BACKING BRICKS (In truck loads)—			
Flettons	100/9	per 1,000	delivered
Do. Keyed	102/9	do.	
Do. bullnose	120/9	do.	
Blue wirecuts	420/6	do.	
White	136/-	do.	
Southwater engineering (No. 1)	280/-	do.	
Firebricks—2½ inch	59/6	per 100	delivered
Do. —3 inch	69/6	do.	

STOCK BRICKS—			
Mild stocks	163/6	per 1,000	at Works
Second, do.	188/6	do.	
First do.	198/6	do.	
Add for delivery—approx. 40/- per 1,000 in lorry loads.			

FACINGS—			
Rustics	125/9	per 1,000	delivered
White	140/-	do.	
Blue pressed, 2½ in	464/6	do.	
Do. bullnose	478/6	do.	
Reds (Multi sand faced)	220/-	do.	
White glazed stretchers	1140/-	do.	
Do. headers	1126/-	do.	
Do. bullnose	1425/-	do.	
Do. double stretchers	1570/-	do.	
Do. double headers	1383/-	do.	
Breeze fixing bricks	20/3	per 100	
Fire tiles and lumps	25/-	foot cube	
Wall ties—8" x 1½" x 1½", black	58/8	per cwt.	
Do. but galvanized	85/9	do.	
Cement mortar (1:3) hand-made	75/-	yard cube	

BRICKLAYERS' SUNDRIES—

AIR BRICKS	9 x 3 in	9 x 6 in	9 x 9 in	12 x 9 in
Iron	1/8	2/7	4/1	5/3
Galvanized do.	2/10	4/9	7/4	9/2
Terra Cotta	1/2	2/4	5/9	9/10
Chimney pots, Terra	1ft	2ft	3ft	4ft
Cotta (11 to 25)	do.	5/10	10/3	23/2
				39/11

PARTITIONS—

Per Yard super.		Blocks keyed for plastering.		
		Full load.	60 Yds super.	25 Yds super.
2in Solid clinker blocks	2/11½	3/5	4/5	
3in, do.	4/0½	4/6	6/-	
3in Hollow clinker blocks	4/7	5/1	6/4	
4½ in do.	6/3	7/2	8/7	
2in Hollow clay blocks	3/11	5/2	5/8	
3in do.	4/8	6/1	6/11	
Half block extra on above	1/-	1/6	1/6	
Smooth in lieu of keyed face, extra per side		2d	3d	3d

SINKS—

Fireclay white glazed in and out—standard quality—			
London pattern, 8" deep	51/7	65/4	69/-
Belfast, do., 10" do.	69/-	104/-	138/-
Cantilever brackets 5/- per pair.			165/7

GAS FLUE BLOCKS—

	Single Flues.	Double Flues.	
Backing blocks	5/5	10/-	per set of three
Straight do.	2/5	4/-	each
Cover do.	3/6	6/3	do.
Raking do. 45 deg.	5/2	8/4	do.
Do. do. 60 deg.	3/10	5/9	do.
Offset block	6/5	9/6	do.
Closer do.	2/5	4/-	do.
Do. flashing do.	2/-	3/1	do.
Straight flashing do.	2/-	3/1	do.
Terminal and cap	13/-	17/2	per set
Middle do.	12/9	16/5	do.
End do.	13/-	17/1	do.
Corbel block	8/8	16/7	each

DRAINAGE GOODS

STANDARD LIST

SALT GLAZED SANITARY PIPES AND FITTINGS—

Best Quality	4in	6in	9in	
Pipes (2ft and under)	1/8	2/6	4/6	each
Bends and knuckles	2/6	3/9	6/9	do.
Single junctions and saddles	3/4	5/-	9/-	do.
Double collars	3/4	5/-	9/-	do.
Ordinary tapers	3/4	5/-	9/-	do.
Manhole interceptors	17/6	22/6	37/6	do.
Gullies (ordinary)	6/3	6/10½	11/3	do.
Extra on cost of last for horizontal inlets				
Do. vertical inlets	1/6	1/6	1/6	do.
Do. black iron grids	2/3	2/3	2/3	do.
Do. galvanized do.	7½d	10/4	1/8	do.
Do. stoneware do.	1/0½	2/1	4/4½	do.
	7½d	1/0½	1/8	do.

These pipes are subject to the following adjustments according to quality and quantity: Best Quality in 2 ton lots—plus 47½%. Ditto 100 pieces—plus 67½%. Ditto less than 100 pieces—plus 77½%.

British Standard are 7½% more cost than Best as above detailed. Tested pipes are 25% more cost respectively.

IRON DRAINAGE GOODS—

Controlled maximum prices.		4in	6in
Each			
Cast iron pipes, 9 feet long	50/9	75/9	
Do. 6 feet do.	37/2	50/6	
Do. 4 feet do.	29/8	47/7	
Do. 2 feet do.	18/3	28/7	
Short bend	11/10	24/8	
Junction	20/10	42/8	

CURRENT MARKET PRICES (Continued)

DRAINAGE GOODS—Continued

GULLEY PARTS—			
Traps, high level, invert.	4in	6in	
Inlet, bellmouth pattern	21/3	55/-	each
Do. with one vertical branch	14/3	22/6	do.
Do. with two	21/3	36/-	do.
Sealed cover, with felt washer	46/6	81/-	do.
	7/6	17/-	do.

RAINWATER SHOES—			
With vertical inlet and rebated top	4in	6in	
Extension piece, 6in high	25/-	66/-	each
Flat loose coated grating	15/6	15/6	do.
Loose solid coated cover	3/-	3/-	do.
	5/3	5/3	do.

MANHOLE CHANNELS, WHITE GLAZED—			
Each	4in	6in	9in
Straight, 2 feet long	11/3	15/-	25/-
Taper, do.	18/9	—	26/3
Bends, Main, half section	20/-	30/-	48/9
Do., Branch, do.	13/9	18/9	—
Do. do. three-quarters do.	18/9	27/6	—
Junctions, single	17/6	30/-	—
Do. double	23/9	41/3	—

BROWN GLAZED CHANNELS—			
Based on standard list plus 77½% (less than 100 pieces)			
Half-round main channel (2ft long)	4in	6in	9in
Extra for stop ends	2/3	3/4	6/-
Extra for outlets	2/3	3/4	6/-
Channel bends with splayed ends	2/8	2/8	2/8
Three-quarter section do.	6/8	10/-	18/-
	8/11	13/4	24/-

MANHOLE COVERS—			
24 × 18in Light foot traffic		Black	
Do. Strong do.		24/-	each
Do. Light car traffic		39/6	do.
Do. Road traffic		80/6	do.
		113/-	do.

SUNDRIES—			
Manhole steps		Galvanized	
4in Mica valve fresh air inlets	7/5		each
(L.C.C.)	15/9		do.
Plumber's hemp	7/6		per lb.
Gaskin, caulking	1/4		do.
Canvas backed hair felt, 4in wide	7d.		per ft run

ROOFING MATERIALS

WELSH SLATES (delivered)—			
	Quantity		
Size in inches	2,000 to 4,999	100 to 499	1 to 99
22 × 11	162/-	204/3	27/-
20 × 10	135/-	170/6	22/6
18 × 10	105/-	132/6	17/6
16 × 8	72/-	91/-	12/-
14 × 9	62/-	78/6	10/3
14 × 4½	29/-	36/9	4/9

TILES (Broseley and Staffordshire)—			
10½ × 6½ Machine made	5,000 lots	per 1,000	per 100
Do., hand made, sand faced	236/-		32/9
Hips, valleys and angles	272/7		37/9
	27/9	per dozen	
Plain concrete tiles	160/9		19/6

QUARRY TILES (delivered)—			
Plain	8" × 6" × 6"	14" × 8" × 8"	
Sheeting asbestos corrugated, 3in pitch	265/3	1017/6	per 1,000
Do.	7/6		per yard super
Sheeting iron galvanized corrugated	53/-		per cwt.
3½" Drive screws (galvanized)	9/6		gross

ASBESTOS RAINWATER GOODS—

Pipe in 6ft lengths	2½in	3in	4in
Do. in 3ft do.	3/3½	3/11	5/5
Shoes	2/1	2/6	3/9
Branches	3/9	4/6	6/3
Bends	2/5	3/-	4/4
Swan necks—6in projection	3/4	3/7	5/3
Pipe clips	1/6	1/6	2/7

ASBESTOS O.G. GUTTERS AND FITTINGS—

In 6ft lengths	4in	5in	6in
In 3ft or 4ft do.	3/-	3/11	4/10
Angles and nozzles	4/6	5/11	7/3
Stop ends	2/6	3/4	3/11
Drop ends	8d.	10d.	1/-
Union clips	2/2	2/5	3/-
	1/3	1/9	2/1

STONE

PER FOOT CUBE in random blocks not exceeding 20ft average in each.			
BATH STONE F.O.R. SOUTH LAMBETH—			
Monks Park 5/11.	St. Aldhelm	6/11	
STONE F.O.R. NINE ELMS—			
Portland brown Whitbed 6/8½			Beer 8/10
Over 20ft average cube blocks extra cost.			

TIMBER

Softwood—sawn—random lengths.			
Carcassing quality	Per	Standard.	Per cubic foot.
Joinery quality	£110		13/4
Plain edged unsorted flooring, per square	£120 and up		14/6½
¾in insulating wall board (600 yards)	¾in	1in	1½in
Larger quantities cost less, and smaller quantities more.	90/-	115/-	146/-

SUNDRIES—

Felt, roofing and inodorous (best)	2/10½	yard super
Do., inodorous, 2nd quality and sarking	2/2	do.
Do., sheathing, black	1/7	do.
Glue 2/- per lb. Glass paper 4/6 per quire.		
Nails: brads (2½") 49/6 cwt. Cut clasps (2½") 51/9 per cwt.		
Panel pins 9d. per lb. Sash line, cotton (No. 8) 198/6 per gross.		
Wall boards. Up to 9 sheets		
Insulating, ½"	7d.	per sq ft
Hardboard: ¾" 7½d. and 1½" 11d.		per sq ft
Slag wool	3/6	foot cube
Wood screws: 1½" long—No. 8 size—per gross: Steel 2/8		
Japanned round head 3/5. Brass 9/8. Brass round head 12/5.		

HARDWOOD—

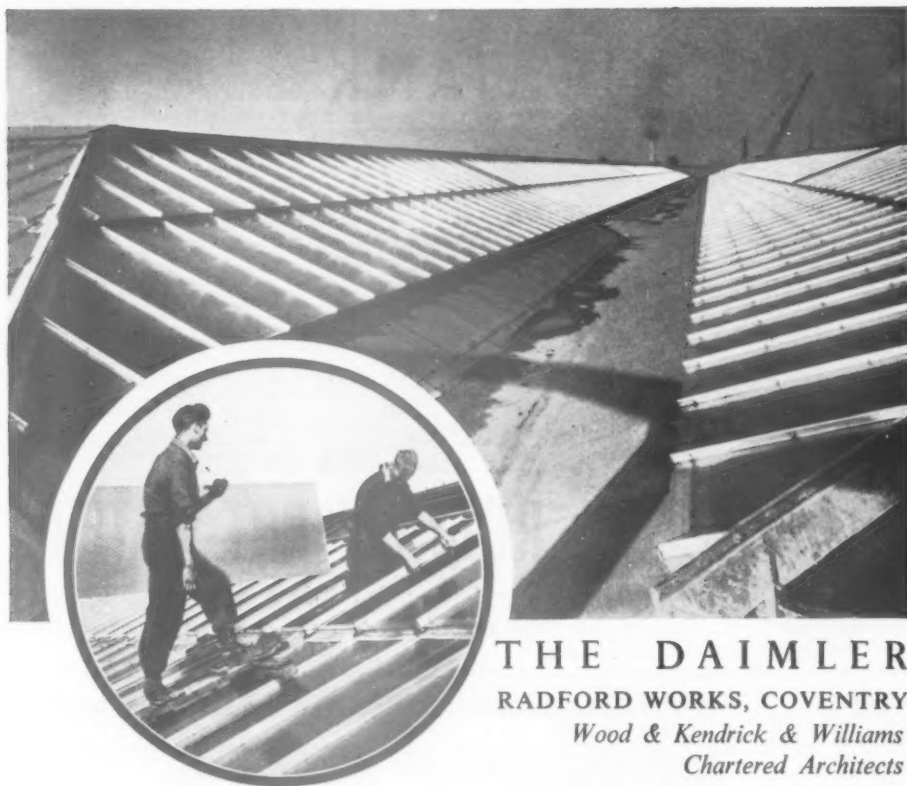
Prime	Per foot super.		
Mahogany (African)	1in	1½in	2in
Do. (Honduras)	1/6	1/11	2/2
Oak (American), white—northern	2/4	3/2	3/7
—plain, kiln dried	1/1	1/6	1/8
Do.—Quartered	1/2	1/7	1/10
Do.—European	1/8	2/4	2/8
Teak—Burma and Siam 1st class	2/4	3/3	3/9
Walnut (African)	1/3	1/9	2/-

QUALITY, STANDARD SOFTWOOD DOORS.

1½in, 4 Panels, horizontal, moulded both sides, in quantities of from 12 to 49.			
2' 9" × 6' 6" at 58/6 each.	2in do., but top panel open, with beads.		
2' 6" × 6' 6" at 55/3 each.	2' 9" × 6' 6" at 71/- each	2ins 3 panel, do. as last.	
2' 3" × 6' 6" at 52/9 each.	2' 6" × 6' 6" at 67/3 each	2' 9" × 6' 6" at 65/9 each	2ins, 2 panel ditto as last.
2' 0" × 6' 6" at 50/3 each		2' 6" × 6' 6" at 63/3 each	2' 9" × 6' 6" at 60/- each
			2' 6" × 6' 6" at 57/- each

IRONMONGERY

Cast iron Butts, per pair	2in	3in	4in
Hinges, spring, single action regulating, japanned, each	10d	1/4	2/1
Do. but double action spring only, each	—	6/9	9/-
Do. blank only, each	—	12/-	15/-
		5/6	9/6



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**SPECIFIED BY
MORE THAN 300
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SPACES CORNERS ETC.,
THE RECESSED TYPE CAN BE MADE
DOWN TO A BACK TO FRONT
MEASUREMENT OF ONLY 12 INCHES**

Simplicity for Plumbing, Compactness for limited spaces, Accessibility after fixing, and far greater Heating Efficiency are the characteristics of the Rolyat system which have outmoded the tank and cylinder and convinced heating engineers and local authorities throughout the country of its superiority.

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CURRENT MARKET PRICES (Continued)

IRONMONGERY—Continued

	12in	18in	24in	30in	36in
Tee hinges (japanned), per pair	1/6	2/10	—	—	—
Do. but stronger, per pair	2/-	3/9	6/1	—	—
Hook and Ride hinges, per pair	—	—	10/7	13/-	19/9
BOLTS—each—	3in	4in	6in	8in	10in
Cabinet, barrel, straight or necked	1/4	1/6	1/11	—	—
Square spring, with brass knob	1/2	1/6	1/11	—	—
Tower bolts	—	1/4	1/10	2/6	3/1
Barrel bolts	—	2/2	3/1	4/1	5/2
Add to Tower or Barrel bolts if necked	—	4d	4d	5d	5d
LOCKS—each—					
Rim lock, 2 lever, wrought case	11/5	—	—	—	—
brass bolt and bushing	—	—	—	—	—
Mortice lock, 2 lever, bushed	14/4	—	—	—	—
Cylinder latches, japanned case	—	—	—	—	—
Brass sash fastener	—	—	—	—	—
Casement fasteners (malleable)	—	—	—	—	—
Do. stays (do.)	—	—	—	—	—
Axle pulleys (brass face, iron wheel)	—	—	—	—	—
Do. as last, but with brass wheel	—	—	—	—	—
Sash line, No. 8 Anchor yellow label	—	—	—	—	—

METAL GOODS

Basis—Rolled steel joists, all sections from 5" x 4 1/2" to 16" x 6" inclusive (except 9" x 7", 10" x 8", 12" x 8" and 14" x 8") (over one ton)	£25/0/0	per ton
Extras—9" x 7" section	5/-	do.
4" x 4", 5" x 3", 10" x 8", 12" x 8", 14" x 8" and 16" x 8" to 20" x 7 1/2" sections inclusive	10/-	do.
22" x 7" section	15/-	do.
4" x 2 1/2", 4" x 3", and 24" x 7 1/2" sections	20/-	do.
Steel angles and tees	£26/0/0	do.
Steel bars (average ex mills)	£25/0/0	do.
Mild steel rods 1/2" diameter and upwards, cut to lengths within the usual margin and bent to normal schedules for reinforcement	31/6	per cwt
Extras per ton—		
1/2" in and 1/2" in diameter in size	15/-	per ton
1/2" in do. do.	15/-	do.
1/2" in do. do.	22/6	do.
1/2" in do. do.	30/-	do.
1/2" in do. do.	60/-	do.
1/2" in do. do.	90/-	do.
Extras for length—		
5ft to 3ft	7/6	do.
3ft to 2ft	15/-	do.
2ft	22/6	do.
40ft to 45ft	15/-	do.
45ft to 50ft	22/6	do.
Bolts and nuts	75/-	per cwt
Trench covering, including trays 1 1/2 in deep and rebated frames, 9in wide	10/-	foot run
Do., but 12in wide	13/9	do.
Do., but 14in wide	15/-	do.
Do., but 18in wide	16/9	do.

METAL WINDOWS AND DOORS—

Steel casement doors and frames for glazing	8/-	foot super
Do. folding type	7/6	do.
Fireproof steel framed doors	30/-	do.
Strong room doors	65/-	do.
Strong room gates	30/-	do.
Steel casement windows and frames part opening	6/-	do.

CHAIN LINK FENCING—

In 25 yards lineal rolls inclusive of line wire.					
2in mesh.					
10 1/2 Wire gauge	36	42	48	60	72
12 1/2 do.	75/10	88/6	101/3	126/3	151/8
14 1/2 do.	53/5	62/3	71/2	89/-	106/9
14 1/2 do.	38/1	44/6	50/10	63/7	76/3

DOUBLE SOOT DOORS AND FRAMES—

Fitted with brass turnbuckle 9in x 9in 12in x 9in 14in x 12in and cast key	14/9	19/-	30/3
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SLIDING DOORS, GATES AND PARTITIONS—

Factory sliding doors in two leaves containing about 100 square feet with mild steel angle frames covered with 24 gauge corrugated galvanized sheeting and including hanging tubular track and gear complete	9/-	foot super
Factory entrance gates with mild steel frames clad with 2in mesh chain link complete	7/-	do.
Steel partitioning, glazed (rough cast) and stove enamelled	11/-	do.

STEEL ROOF LIGHTS—

Lanterns with vertical sides, and hipped roof, glazed with 1/2 in cast glass and lead flashed (180ft super or over, all surfaces measured)	11/6	foot super
Skylights of similar construction (180ft. super or over, all surfaces measured)	10/6	do.

DOMESTIC BOILERS

For hot water or heating, for use with solid fuel, including base plates.

Gal. per hour from 40 to 140 deg.	Heating only direct radiation sq. feet	Black finish	Vitreous enamel finish	Vitreous enamel side jackets
		£ s d	£ s d	s d
20	—	5 12 3	6 16 3	10 0
20	55	7 11 0	9 19 9	11 3
25	70	8 16 0	11 4 6	13 6
40	110	13 18 6	16 17 0	16 0
49	120	12 5 0	—	—
66	170	15 3 6	—	—

Radiators for heating—3/- per sq. foot heating surface.

GAS, WATER AND STEAM TUBES

(From Standard List.)

Internal	1in &	2in	3in	4in	6in	8in	10in	12in	14in	16in	18in	20in
Diameter—	1in	2in	3in	4in	6in	8in	10in	12in	14in	16in	18in	20in
Tubes .. per ft	4d	4 1/2d	5 1/2d	6 1/2d	9 1/2d	11 1/2d	14 1/2d	17 1/2d	20 1/2d	23 1/2d	26 1/2d	29 1/2d
Bends .. each	8d	9d	11d	12d	17 1/2d	20 1/2d	23 1/2d	26 1/2d	29 1/2d	32 1/2d	35 1/2d	38 1/2d
Elbows, sq. do.	10d	11d	11 1/2d	13 1/2d	16 1/2d	20 1/2d	23 1/2d	26 1/2d	29 1/2d	32 1/2d	35 1/2d	38 1/2d
Do., round do.	11d	11 1/2d	12 1/2d	15 1/2d	18 1/2d	21 1/2d	24 1/2d	27 1/2d	30 1/2d	33 1/2d	36 1/2d	39 1/2d
Tees .. do.	1/-	1 1/4	1 1/2	1 3/4	2 1/4	2 3/4	3 1/4	3 3/4	4 1/4	4 3/4	5 1/4	5 3/4
Crosses .. do.	2 1/2	2 3/4	2 9/16	3 3/16	4 1/16	4 5/16	5 1/16	5 5/16	6 1/16	6 5/16	7 1/16	7 5/16
Backnuts .. do.	2d	2d	3d	3 1/2d	5d	6d	6d	8d	8d	10d	10d	11d
Sockets .. do.	3d	3d	4d	5d	6d	6d	8d	8d	10d	10d	11d	11d
Sockets, dimin. do.	4d	5d	6d	7d	9d	1/-	1/4	2/-				

DISCOUNTS OFF ABOVE

In random lengths and in quantity.

TUBE—

Class A (light)	—37 1/2% Do.	—10% Galvanized
Class B (heavier)	—31 1/2% Do.	—5% do.
Class C (heaviest)	—21 1/2% Do.	+ 8 1/2% do.
FITTINGS—		
Light weight	—11 1/2% Do.	+ 8 1/2% Galvanized
Heavy do.	—3 1/2% Do.	+ 13 1/2% do.

RAINWATER GOODS (Painted or Unpainted)

Rainwater pipes, 6ft lengths, 2in 2 1/2in 3in 3 1/2in 4in 5in						
per yard	2/8	2/9 1/2	3/1 1/2	3/6 1/2	4/1 1/2	5/4 1/2
Shoes .. each	1/1 1/2	1/3 1/2	1/6	2/-	2/3	4/0 1/2
Bends .. each	1/3 1/2	1/6	1/10 1/2	2/3	2/8 1/2	4/10
Heads .. each	1/10 1/2	2/1 1/2	2/6	3/0 1/2	3/4 1/2	6/0 1/2
Offsets, 4 1/2 in projection	each	1/7 1/2	2/-	2/3	2/6 1/2	3/3 1/2
Do. 9in do .. each	2/1 1/2	2/4 1/2	2/9 1/2	3/6	4/2 1/2	6/7 1/2
Single junction	each	1/11 1/2	2/3 1/2	2/9 1/2	3/3	3/11 1/2
Half round gutters, 6ft. lengths						
per yard	—	—	1/3 1/2	1/5	1/5 1/2	1/10
Angles and nozzles .. each	—	—	1/0 1/2	1/2 1/2	1/3 1/2	1/7 1/2
Stop ends .. each	—	—	3/4d	3/4d	5/4d	7/4d
O.G. gutters, 6ft. lengths						
per yard	—	—	1/8 1/2	1/10 1/2	1/10 1/2	2/5 1/2
Angles and nozzles .. each	—	—	1/5 1/2	1/5 1/2	1/6	2/-
Stop ends .. each	—	—	4/4d	5/4d	6/4d	9d

The above prices plus 78 1/2% added to foot of invoice.

CURRENT MARKET PRICES (Continued)

PLASTERING MATERIALS

Sand, lime, cements and various plasters are previously included under those heads—				
Metal lathing ($\frac{3}{8}$ " x 24G.)	..	..	2/10	sq yard
Plaster baseboard, $\frac{3}{8}$ " (150 yds.)	..	..	2/3	do.
Plaster wallboard, $\frac{3}{8}$ " (do.)	..	..	2/8	do.
Scrim, 2" cotton (100 yds. roll)	..	..	9/1	per roll
Scrim, $\frac{3}{4}$ " jute (do.)	..	..	10/7	do.
Lath nails, galvanized	..	..	1/3	lb
Cow hair	..	..	97/6	per cwt.
White glazed tiles ($6\frac{1}{2}$ " x $6\frac{1}{2}$ " x $\frac{1}{2}$")	..	..	16/9	sq yard
Do. rounded on one edge	..	..	20/-	do.
Do. on two adjoining edges	..	..	24/6	do.

PLUMBER'S GOODS

Per cwt.	3 lb. lead	Lead pipes	Lead	Allowance
Delivered in quantities of 5 Cwts. to 1 Ton	wards	coil	soil pipes	for old lead
158/3	159/6	162/6	100/-	

IRON SOIL AND WASTE PIPE—

	2in	2½in	3in	3½in	4in
L.C.C. coated (M) per yard	3/1½	3/4	3/8½	4/2½	4/9½
Bends .. each	2/3½	2/6½	2/9½	3/6	3/11½
Swannecks, 4½" projec., do.	2/9½	3/3	4/5½	5/1½	5/11½
Do. 9in do.	3/9	4/2½	5/1½	5/11½	7/-
Junctions .. do.	2/9½	3/6	4/2½	4/10½	5/7½
Round access doors	5/3	5/3	5/3	5/7½	5/7½

The above prices plus 78½% added to foot of invoice.

GALVANIZED CISTERNS—

(Less than four)	100	200	300 gallons
Angle iron at top and corner plates 14 gauge	122/-	225/-	313/6
12 do.	147/3	248/-	336/6
8in plate	171/9	281/-	388/-

HOT WATER TANKS—

	25	30	50 gallons
Riveted with ring 12 gauge	94/-	103/-	143/-
8in plate	103/-	112/-	159/-

CYLINDERS—

	25	37	48 gallons
Riveted and 12 gauge	121/-	142/-	166/-
hand-hole 8in plate	134/-	158/-	185/-

PLUMBERS' FITTINGS—

Each	½in	¾in	1in	1½in	2in
Ball valve Croydon pattern with fly nut and union and copper ball	13/6	19/3	21/-	49/-	64/-
Screw down, cast brass, crutch head bib cock, screwed for iron	10/3	15/-	—	—	—
Do., with screwed boss	11/6	16/6	—	—	—
Stop cocks, cast brass, B.S.S. screwed iron, light	7/9	12/-	—	—	—
Do., cast brass, heavy	8/9	13/-	18/6	—	—
Do., with double union B.S.S., light	11/3	16/6	—	—	—
Do., double union heavy	12/9	17/-	26/6	—	—
Gate valves, screwed female, hot pressed	8/9	10/9	14/-	20/6	27/6
Do.	—	—	—	—	—
Do., gunmetal	13/-	17/-	20/6	26/3	35/-
Safety valves, spring	8/6	9/6	10/9	—	—
Plumbers unions, cast brass	3/8	5/-	7/4	11/4	14/-
Do., hot pressed	2/5	3/2	4/4	6/8	9/-
Cap and lining, cast brass	1/4	1/8	2/-	2/6	3/6
Boiler screws, cast brass, single nut	2/-	2/8	4/4	6/8	—
Do., double nut	2/8	3/4	5/4	8/-	—
Sleeves, cast brass, short	1½in	1½in	2in	3in	4in
Do., long	—	3/-	3/6	7/-	10/-
Thimble, cast brass	—	4/6	5/6	9/6	12/-
Cap and screws, cast brass	2/6	3/-	4/2	7/-	11/6
Waste, plug, chain, stay and union, brass	9/6	10/6	19/-	—	—
Lead P traps (6 lb) 1½" seal	7/6	9/4	13/1	—	—
S ditto. (6 lb) ditto.	9/2	11/2	16/2	—	—
Lead P traps (6 lb) 3" seal	9/-	10/11	—	—	—
S ditto. (do.) ditto.	11/2	13/8	—	—	—
Wire balloon guards galvanized	—	—	1/9	1/10	1/11
Solder: 4/9 per lb. Blow pipe solder 5/8 lb.	—	—	3/4	3/5	3/7
Zinc 10 gauge 233/- cwt. 12 gauge 231/- cwt.	—	—	—	—	—
Perforated Zinc, cut to size, 9 gauge 1/11 foot super.	—	—	—	—	—
Gaskin 1/10 lb. Long dressed hemp 4/6 lb.	—	—	—	—	—
Boss white non-tainting jointing compound 2/- lb.	—	—	—	—	—

COPPER TUBES—Extract from B.S. 659/1944—

Nominal bore	Outside diameter	Gauge	Weight lb per ft	Price per lb	Price per ft
¾in	0.596	19	0.27	40½	10.94
1in	0.846	19	0.39	39½	15.31
1½in	1.112	18	0.62	37½	23.49
2in	1.362	18	0.76	37½	28.41
2½in	1.612	18	0.91	37½	34.02
3in	2.128	17	1.40	38½	54.25

CAPILLARY TYPE CONNECTIONS—

Each	½in	¾in	1in	1½in	2in
Straight	2/-	2/9	4/4	5/8	7/8
Bends	5/2	6/4	9/1	12/5	19/5
Tees	4/9	5/6	9/4	13/-	18/6
Brackets (brass)	2/2	2/5	2/10	3/-	3/5

GLASS

English flat drawn Sheet Glass in squares, cut to size	Ordinary
Per foot super.	Glazing Quality
24 oz., do.	5½d.
26 oz., do.	7½d.
32 oz., do.	9½d.
Figured, Rolled and Cathedral glass, cut to size, per foot super:	
White 7½d.	
Tinted 10½d.	

Prismatic glass, cut to size .. 1/3 per foot super

Rolled and wired glass, cut to size, per foot super:

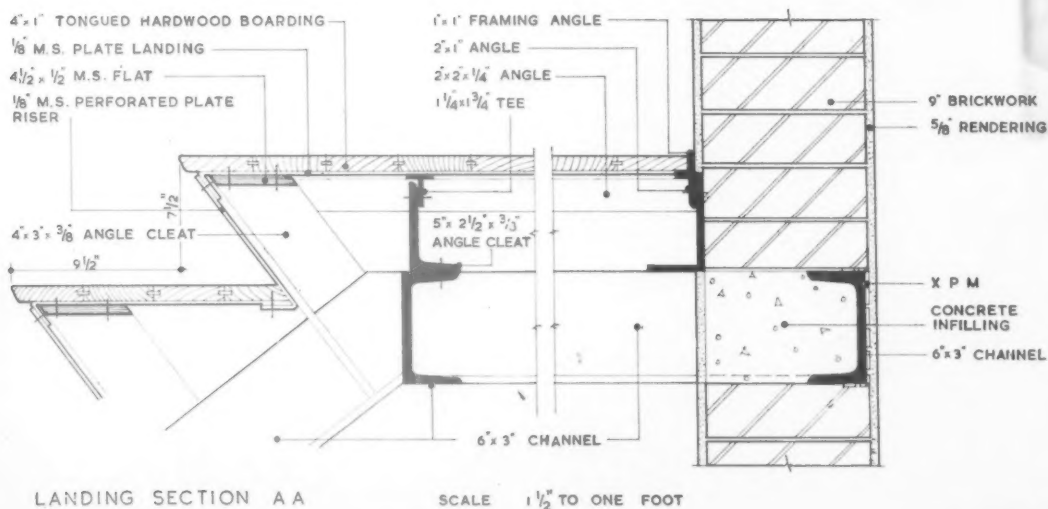
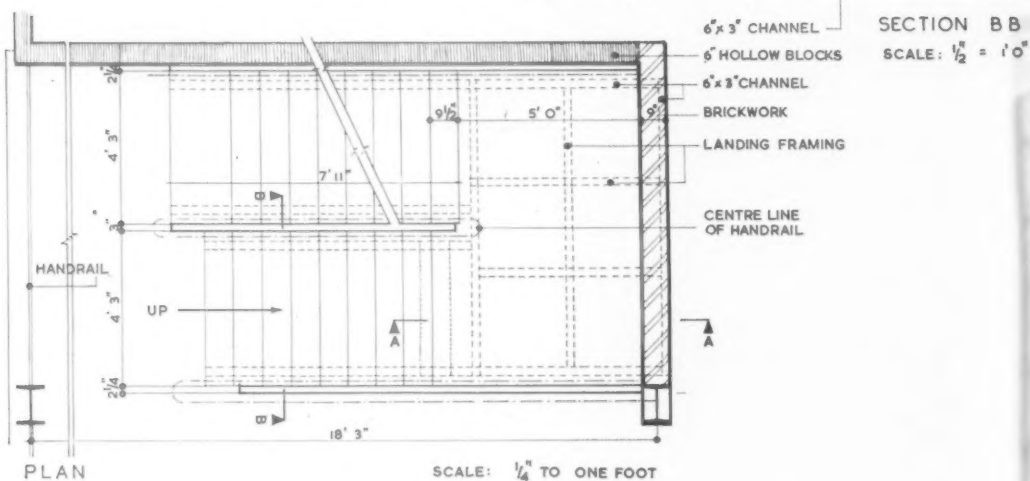
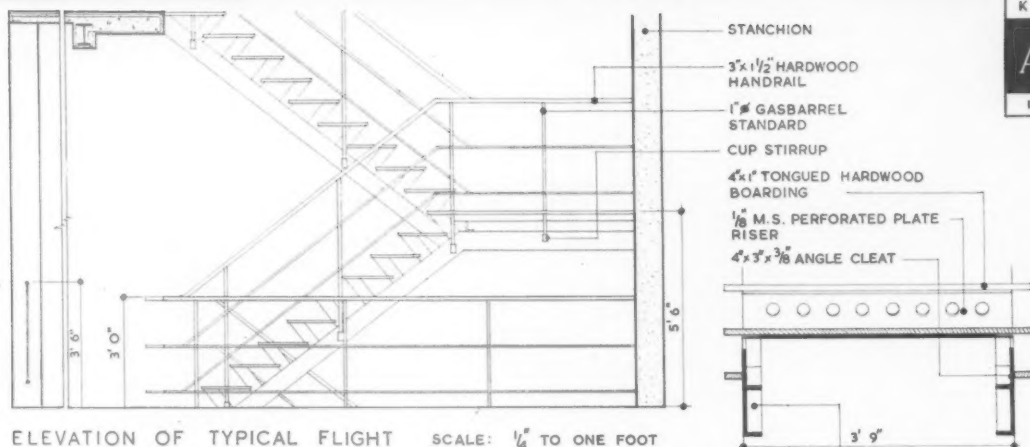
¾" Rolled	7½d.
¾" or 1" do.	8½d.
¾" or 1" Rough cast	8½d.
¾" Wired, rolled or cast	9½d.
Georgian wired cast	10½d.
White Muffled	2/3
Fluted (No. 4)	10½d.
Feathered	10½d.
Reeded (Narrow, Broad, Cross and Major)	9½d.
Reedylite (Narrow and Broad)	9½d.
1" Calorex Cast	1 2½d.
1" Calorex Cast	2 5½d.
1" Polished Plate Calorex	Prices according to specification

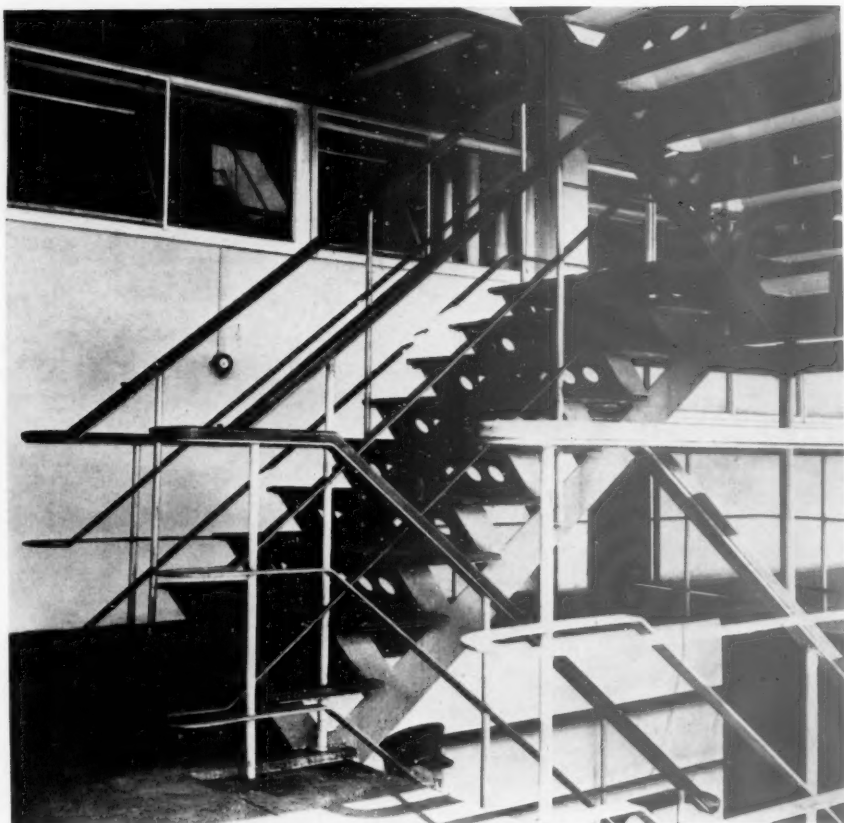
POLISHED PLATE GLASS, cut to sizes, ordinary substance approximately ½in (Tariff)

Per foot super	General Glazing	Selected Glazing Quality	Silvering Quality
In plates not exceeding			
2 feet super in each	2.8	2.10	3/4
3 feet do.	3-	3.5	4/1
5 feet do.	3.2	3.10	4/7
45 feet do.	3.9	4.1	5/7
100 feet do.	4.5	5.7	7/2
Extra sizes, i.e., plates exceeding 100 feet super in each, or 160 inches long, or 96 inches wide, at higher prices.			

DECORATING MATERIAL

	Price	Unit
Aluminium Paint	35/-	Gallon
Distemper, ceiling	33/9	Cwt.
Distemper, washable	100/-	do.
Enamel	60/-	Gallon
Gold Metallic Paint	86/6	do.
Heat Resisting Paint	45/-	do.
Japan, black	22/-	do.
Knocking	30/-	do.
Linseed Oil	21/9	do.
Boiled ditto.	22/3	do.
Proprietary Paints (good class)—		
Finishing	58/-	do.
Priming	37/-	do.
Undercoat	54/-	do.
Paperhangers Paste	33/-	Cwt.
Petrifying liquid	6/6	Gallon
Putty	58/6	do.
Size	9/3	Firkin
Terebine	16/-	Gallon
Turpentine substitute	5/3	do.
Varnish, oak, copal, inside use	32/-	do.
Do., ditto., outside use	35/-	do.
Do., white, eggshell, flat	44/6	do.
White lead mixed paint	67/6	do.
White lead	210/6	Cwt.
Whiting	9/3	Cwt.





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ARCHITECT: EDWARD D. MILLS

TERSONS



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Architects:

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E. Rosenberg, F.R.I.B.A.
C. S. Mardall, A.R.I.B.A.

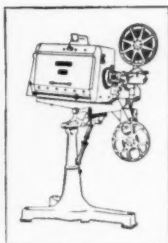
Consulting Engineers:

Clarke, Nicholls & Marcel.

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WITH 16 MM. ECONOMYMounted on
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for permanent installation

cinema equipment, we have learned most of the problems—and we can now tell you that this new '609' 16 mm. ARC PROJECTOR has solved them all. Look at these advantages:

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- No complicated wiring
- No restrictive regulations.
- Full-size picture for any hall up to 1,500 seats.
- Full-power sound reproduction.
- Full choice of films, both instructional and entertaining.
- Simple operation.
- Taylor-Hobson lenses.

The new G.B.-BELL & HOWELL '609' uses normal 16 mm. sound-films, but has an automatically-fed ARC LAMP to light a big screen, and a high power amplifier and loudspeaker system to fill a large hall. G.B.-BELL & HOWELL equipment is known the world over as leading the 16 mm. field in design, and, being manufactured by the foremost cinema equipment organisation in this country, ensures the highest possible quality. This is your guarantee of excellence both in machine and service.

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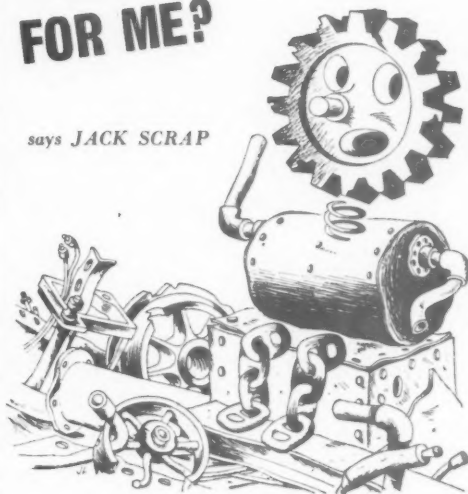
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News of the BUILDING INDUSTRY

WASTE PAPER is a misnomer for paper which has served its original purpose. To-day there is no such thing as waste paper unless it is thoughtlessly destroyed or hoarded. Salvage and re-use of paper is now an absolute essential for the needs of all types of industry and not least for the building industry.

The requirement for the current year is no less than 1,200,000 tons.

Large firms are reminded that unneeded paper has considerable monetary value if sold to a merchant. The names of merchants can be obtained from the Waste Paper Recovery Association, 52, Mount Street, London, W.1. Alternatively, readers of the *Architect* and *Building News* may obtain the address of their nearest merchant by writing to the Editor. Although many wartime paper-salvage schemes have been restarted, the need for more is urgent and readers are urged to discover whether their local Councils have such schemes in operation and by all means at their disposal ensure that they are not wasting paper by hoarding it or destroying it.

DRAINAGE PROBLEMS are the subject of field research now being planned by a joint committee representing the Institution of Sanitary Engineers, the Sanitary Inspectors' Association, the Institute of Plumbers and the Building Research Station.

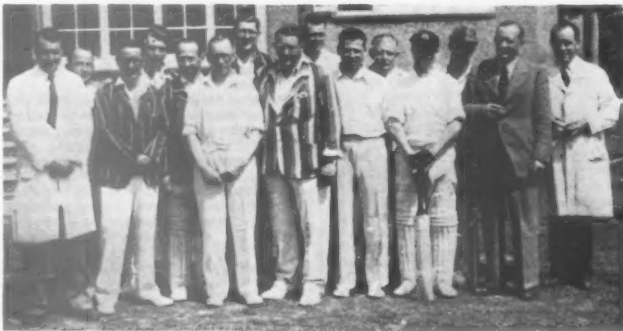
It is felt that there is not at present available enough factual information about the performance of domestic drainage systems to make really efficient design possible in every case. Empirical rules for gradients of house drains have been in common use for years, but there is little recorded information regarding the efficiency in actual practice of drains laid at these gradients as compared with those laid at flatter and, perhaps, considerably more economical gradients.

A report which a committee of the Ministry of Works made to the National Consultative Council in March, 1951, says: "... the drainage cost for three identical groups of eighteen small houses each conforming to the requirements of a separate Local Authority in London varies from £29 to £72 a house."

It is proposed, therefore, to invite the co-operation of suitable persons throughout the country who would be willing to undertake the collection (in their own particular area) of information which will enable the results of this survey to be of real use. Such persons will be mainly officers of local and public authorities.

The project will be initiated with visits by an officer of the Building Research Station, Mr. F. J. Crabb, B.Eng., M.I.C.E., M.R.San.I., who will explain the scheme on behalf of the Committee and suggest the best ways in which co-operation could be given.

DISTRICT HEATING costing and handling problems have been raised in the Craigbank scheme, Glasgow, where tenants of three-room houses pay 26s 7d (including 12s 6d for heating) and 32s 8d for four rooms (inclusive of 16s per week for heating). When the space heating was cut at the end of June (hot-water services being continued) conditions remained cold on many days and tenants protested that their original understanding was that space and hot-water heating would be maintained on a 12-month



VITRUVIANS v. N.F.B.T.E.

The annual match between the Vitruvians (the architectural and technical Press) and the National Federation was played on the Blue Circle ground, Snaresbrook, Essex, on Sunday, July 22, by kind permission of the Cement Marketing Company. The match was drawn, the National Federation scoring 194 for two wickets declared, the Vitruvians replying with 77 for nine. A heavy thunderstorm interrupted play, but a large company of guests watched a good day's cricket, a feature of which was a fine net out innings of 126 by F. Ridgeon (Eastern Counties). The first ball was bowled by Councillor Stephen Hudson, President of the National Federation. The picture shows the N.F.B.T.E. team with Mr. Stephen Hudson next to F. Ridgeon. G. P. Parker (captain) is in the centre of the front row.

basis. The fact that these houses have no alternative method of heating raises a further problem. Case for the tenants—which will be aired in August—is that they are paying for a service which is not being provided. Council argument is that heating and water charges, although paid weekly, are averaged over the year and that the normal space heating period is to the end of May, lapsing until the beginning of September.

The problem is one which is being met with increasingly where space heating is involved—arising, apparently, from current heavy costs of fuel and anxiety to standardize the basis of costing in the interests of easy book-keeping.

THE COUNCIL FOR CODES OF PRACTICE FOR BUILDINGS has now published in final form Code 332.303, "Installation of Gas-Fired Boilers for Central Heating by Hot Water." The Code includes consideration of points appropriate to boilers required to provide hot water for domestic purposes in addition to space heating. The design of space heating and domestic hot-water systems is dealt with in other Codes.

The Code lists essential points on which information should be obtained before installation is commenced and to enable the work to be fitted into a time schedule. It also affords guidance on the selection of the type and number of boilers most suitable for the heating installation to be served, having regard to adequacy of boiler rating, flexibility in meeting variations in the load and preserving continuity of supply.

Details of clearances to allow of accessibility are given and recommendations made on fire precautions and on gas supply and connections, including the master control cock and safety devices. Various automatic controls, their functions and major components are described, and advice is given on points of design.

EDINBURGH HOUSING COMMITTEE is considering the erection of a block of 42 three-apartment flats in a seven-storey building at Blackhall. Architect, Leslie Grahame-Thomson, R.S.A. Estimates are being taken for the construction of the block, with and without central heating.

THE MAYOR OF HUDDERSFIELD, opening the town's first two post-war schools, said that Huddersfield was prepared to spend £250,000 a year on schools so that no child would live more than a mile from any school. The two new schools are the first primary schools built at Huddersfield since 1912. They are Dalton Junior and Infants', which cost £53,000, plus £2,700 for furniture, and Deighton County School, which, when completed, will have cost £85,000.

ARGYLL COUNTY ARCHITECT, Mr. Robert Cameron, has said that it is impossible to get sufficient Scottish bricks to meet the needs of rural house building. Bricks from England, possibly available at short notice, would add fully £70 to a £2,000 house, due to the cost of freight.

The Department of Health for Scotland being unable to help, the County Council has decided to get their bricks from England and to meet the extra cost of transporting them.

ROBERT STEPHENSON'S overall-type roof at Derby Midland Station—erected in 1839 and damaged during the war—is to be replaced by a pre-stressed pre-cast awning design.

Work is scheduled to start in the late autumn and will cost about £200,000.

FREIGHT HANDLING is the subject of a report prepared by a specialist team which visited America recently. The report is now published by the Anglo-

(Continued on page 134)

GOOD, BAD OR INDIFFERENT?

No. 45.—By A. FOREMAN

Housewives' Choice (contd.)

THERE were innumerable complaints regarding cupboard and storage. First, the insufficient provision made and, secondly, when provided, the bad design and inadequate dimensions. The linen cupboards were very specially mentioned as most of these were quite inadequate in size when the space occupied by the hot water storage tank or cylinder was deducted. The linen cupboards in so many cases had inadequate depth to receive sheets folded as they come from the laundry unless placed sideways on the shelves when they take up so much space. Most of the clothes hanging cupboards had unsuitable dimensions and not at all consistent with those given in 'Planning' by 'E. & O.E.' or in B.S. 1292. I believe all those present at the discussion had found it necessary to use the smallest bedroom as general storage space owing to the complete absence of any proper storage place for trunks, suitcases and the general accommodation of articles which every householder wants to keep. Some were using the roof spaces for storage but then they complained that articles kept there became damp due to lack of warmth and ventilation and, in addition, the access was usually very difficult. With the tendency towards houses with the minimum number of rooms into which the family can be fitted, to save cost and labour of maintenance, the provision of a proper store space becomes ever more important.

The number of complaints about food storage places more than bore out the remarks I made in No. 19 of these Notes. Quite 50 per cent of those I saw had a completely wrong aspect and must be more like ovens than larders in sunny weather. The sizes were in all cases inadequate, especially as little other storage space was available for food and household equipment such as brooms. More adequate consideration of equipment of this nature is really essential if our homes are to assist in the reduction of the housewife's work; fortunately local authority housing since the war is setting a standard much higher than that of many of the pre-war houses which presumably private enterprise will follow if and when it builds again in quantity.

Another important point arose from the difficulty of fixing curtains and pelmets as most householders found that to put plugs into concrete lintels is extremely difficult. The main curtains and pelmets to most windows are fixed on the wall face and not on the wood or metal frames. The metal window manufacturers provide brackets which are very adequate for carrying net or similar curtains close to the windows but this does not help with the main curtains or pelmets on the wall face. With wood windows curtains over the windows are again easily fixed to the wood frame but this does not help with the main fixings. I do not think architects and builders pay sufficient attention to the problems of curtain fixing. There is on the market equipment of varying kinds, but the fixings do not vary greatly and it would not be unduly difficult to make provision for them. I strongly recommend architects to examine closely the simple provisions made in B.S. 1239 for cast concrete lintels for timber or pre-formed

inserts in various positions, designed, I have been told, in consultation with leading manufacturers of curtain hanging equipment.

I cannot finish the mention of these discussions without a reference to frozen pipe, as the subject cropped up constantly. I took the opportunity to enquire what the costs of repairs from this cause had been and I found them, in several cases, to be staggering. Much of this expenditure appeared to me likely to recur when the next hard winter comes, due to bad placing of services and lack of reasonable precautions. The small initial cost of avoiding these troubles is unlikely to

approach the amount of the cost that may be involved in one day of hard frost, so is it worth saving? A small but easily overcome point in this connection is the difficulty some householders have in changing washers on taps because of the absence of stop-cocks to turn off the water supply and also the difficulty of removing easy-clean covers on the taps themselves, as spanners will not grip on the circular surface and anyhow wreck the plating. The latter points to the need to design a small hexagon at the base of easy-clean covers which can be gripped with a household spanner; fortunately some firms already do this.

LEGAL NOTES

This column is designed to assist readers in understanding legal problems and in simplifying legal language. Readers with legal questions are invited to submit them for the attention of our correspondent. Questions and answers of general interest will be published but the Editor does not hold himself responsible for the views expressed.

The Control of Building Operations (No. 16) Order, 1951 (S.I. 1951 No. 1082) which extends for a further twelve months the present financial limits within which building or civil engineering work may be done without a licence is doubtless already well known to readers. The effect of it is that during the period between July 1, 1951, and June 30, 1952, work may be done on any single property if its cost, together with the cost of any previous work carried out on the property without a licence in the period, does not exceed £100, or, in the case of certain special classes of buildings known as "designated buildings," £500. These designated buildings may be described generally as industrial buildings and farm buildings, other than dwelling houses.

What may not be known to readers, however, is Circular No. 47/51, dated July 5, issued by the Ministry of Local Government and Planning to housing authorities and county councils in England. The circular draws the attention of local authorities to the above-

mentioned Order, and then refers to the recent decision of the Divisional Court in the case of *Bob Keats v. Farrant* where an appeal against conviction for a contravention of reg. 56 A (2) of the Defence (General) Regulations, 1939, was allowed on the ground that the proceedings had been taken by the clerk to the local authority without a resolution ordering him to do so.

It appeared that in September of last year the clerk took proceedings. The local authority had resolved that these should be taken against the appellants for unlawfully carrying out work on a swimming pool, without having the necessary licence. The appellants were convicted. By an oversight, however, the local authority had omitted to pass a resolution authorizing the clerk to prosecute on their behalf, as required by the Control of Building Operations (Proceedings by Local Authorities) (No. 1) Order, 1947, art. 1. The Divisional Court therefore held that there was no authority in the clerk to take the proceedings, with the result that the conviction could not stand.

This case is therefore yet another illustration of the importance in these days of studying closely the rights and duties which these departmental regulations confer. It is as easy for a local authority unwittingly to overstep the mark as it is for an individual. The courts draw no distinction between the one or the other.

News of the BUILDING INDUSTRY (continued)

American Council on Productivity, 21, Tothill Street, London, S.W.1. The price of the report is 2s 6d post free.

THE SMOKE ABATEMENT SOCIETY will hold their 1951 conference at Blackpool from September 26-28.

DISTINCTION has been awarded to Mr. J. A. Scholfield, of Messrs. Burt, Boulton & Haywood, Ltd., in the T.D.A. Higher Certificate Examination.

THE MINISTER OF SUPPLY has made an Order increasing the maximum prices of classes of non-ferrous scrap and secondary metal which contain lead or zinc.

The Order also brings brass ingots and billets under price control for the first time, but no commission will be payable on sales of these items.

In addition, it re-defines re-melted lead and reduces the price for clean, bright, untinned copper wire and commutator bar.

The Order, the Non-Ferrous Metals Prices (No. 6) Order—Statutory Instrument 1951, No. 1318—came into force on July 23 and is on sale at H.M. Stationery Office, price 3d.

THE LARGE NUMBER OF BUILDING TRADES OPERATIVES who think for themselves and realize the difficulties which the country is facing at the present time will agree that nationalization is no alibi for low output, said Mr. Stephen Hudson, President of the N.F.B.T.E., at the half-yearly meeting of the Liverpool Regional Federation. If we were to get the much-needed improvement there must be more co-operation and less recrimination within the industry, said the President.

Notes below give basic data of contracts open under locality and authority which are in bold type. References indicate: (a) type of work, (b) address for application. Where no town is stated in the

CONTRACT • NEWS •

BUILDING

OPEN

*FIFE C.C. (a) Building works for proposed new schools. (b) Messrs. James Gentes & Son, Central Chambers, High Street, Kirkcaldy. (c) Aug. 24. See page 29.

ALTON R.C. (a) 3 pairs of houses and ancillary site works, West Tisted site. (b) Council's Engineer, Council Offices, Barton Road. (c) 3 Gns. (e) Aug. 27.

BACUP B.C. (a) 8 aged persons' bungalows, Cobden Street, Britannia. (b) Borough Engineer, Municipal offices. (c) 2gns. (e) Aug. 21.

BERWICK-UPON-TWEED B.C. (a) 18 and 10 houses with paths, drainage, etc., at Spittal. (b) Borough Surveyor, Municipal Buildings. (c) 1gn. (e) Aug. 27.

BINGLEY U.C. (a) (1) 10 houses at Cullingworth and (2) 10 houses at Wilsden. (All trades and separate trades). (b) Council's Surveyor, Town Hall. (c) 1gn. each contract. (e) Aug. 14.

BISHOP'S CASTLE B.C. (a) 12 houses. (b) Messrs. Greatrix and McLennan, 13, Victoria Road, Kington. (c) Aug. 27.

BLYTH B.C. (a) Mortuary and post-mortem room at Park View East. (b) Borough Engineer, Municipal Buildings. (c) 1gn. (e) Aug. 20.

BRADFORD C.C. (a) Erection of either 1 or 2 infants' schools at Reeve Hill and Canterbury Avenue. (b) City Architect, Town Hall. (c) Aug. 25.

BUCKINGHAM R.C. (a) 4 houses at Edgcott, 8 at Marsh Gibbon, 3 at Preston Bissett, 4 at Radcliffe-cum-Chackmore, 6 at Steeple Claydon and 6 at Westbury. (b) Messrs. Scherrer and Hicks, 19, Cavendish Square, London, W.1. (d) Aug. 11, indicating contracts.

CARMARTHENSHIRE C.C. (a) New workshops at Pibwrlwyd Rural Technical Institute. (b) County Architect, County Hall, Carmarthen. (c) 3gns. (d) Aug. 9. (e) Sept. 11.

CONGLETON B.C. (a) Contract No. 3. 7 aged persons' bungalows on the Bromley Farm Estate and Contract No. 4, 3 aged persons' bungalows on the Parson Street Estate. (b) Borough Engineer's Office, Town Hall. (c) 2gns. (e) Aug. 31.

ESSEX C.C. (a) Reinforced concrete frame workshop block at proposed North-East Essex Technical College, Colchester. (Approx value of contract £50,000). (b) County Architect, County Hall Chelmsford. (d) Aug. 11.

ESSEX C.C. (a) Braintree North infants' school. (Approx. value of contract £57,000). (b) County Architect, County Hall, Chelmsford. (d) Aug. 11.

GILLINGHAM B.C. (a) 33 flats in 3 blocks with roof laundries and basement stores. (b) Borough Engineer, Municipal Buildings. (c) 5gns. (d) Aug. 12. (e) Sept. 10.

address it is the same as the locality given in the heading. (c) deposit, (d) last date for application, (e) last date and time for submission of tenders. Full details of contracts marked ★ are given in the advertisement section.

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GODALMING B.C. (a) 12 dwellings, Aaron's Hill Estate. (b) Borough Engineer's Office, Branksome, Filmer Grove. (c) 2gns. (e) Aug. 25.

HAVERHILL U.C. (a) 12 houses and 2 Duplex flats on the Park Avenue site. (b) Mr. D. C. Denton-Smith, 40, Regent Street, Cambridge. (c) 2gns. (e) Aug. 18.

LINCOLN C.C. (a) Flats and houses in Dixon Street and Avondale Street. (b) City Architect, Stamp End. (c) 2gns. (e) Aug. 13.

LIVERPOOL REGIONAL HOSPITAL BOARD. (a) Alterations and extensions to Bootle Maternity Home. (b) Regional Architect, Liverpool Regional Hospital Board, 5th Floor, Premier Buildings, 88, Church Street, Liverpool, 1. (c) 2gns. (e) Sept. 5.

LLANDILO R.C. (a) 4 houses at Twynllanlan site, with construction of ancillary roads and sewers. (b) Council's Engineer and Surveyor, Council Offices, Crescent Road. (c) 2gns. (e) Aug. 10.

LONDON—CAMBERWELL B.C. (a) 12 houses on site No. 52, at Danby Street and Avondale Rise. (b) Messrs. John Grey and Partners, 17, Buckingham Street, Strand, W.C.2. (c) 2gns. (e) Aug. 24.

LONDON—WALTHAMSTOW B.C. (a) 22 houses at Bulls Farm, Bilet Road, E.17. (b) Borough Architect, Town Hall, E.17. (c) 2gns. (e) Aug. 31.

LONDON—WOOD GREEN B.C. (a) War-damage repairs and redecorations at the Public Baths, Western Road. (b) Borough Engineer, Town Hall, N.22. (c) 2gns. (e) Sept. 3.

MANCHESTER C.C. (a) Alterations and additions to science room at Didsbury Central School. (b) City Architect's Office, Town Hall. (c) 1gn. (e) Aug. 11.

MIDHURST R.C. (a) 13 houses and flats, South Harting site. (b) Mr. T. Greenfield, "Newstead," Midhurst. (c) 1gn.

N. IRELAND—DOWNPATRICK R.C. (a) 12 houses at Ballymacarn with incidental road and drainage work. (b) Messrs. Ogilby and McCutcheon, Lombard Street, Belfast. (c) 5gns. (e) Aug. 10.

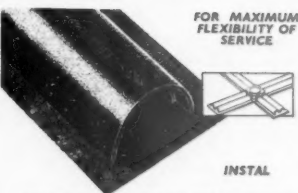
NUNEATON B.C. (a) 24 houses, Marston Estate. (b) Borough Surveyor, Council House. (c) 2gns. (e) Aug. 13.

OAKHAM B.C. (a) 16 houses at Manton and 12 houses at Edithweston, and site services. (b) Mr. H. W. Kelham, 14, All Saints' Place, Stamford, Lincs. (c) 1gn. (e) Aug. 10.

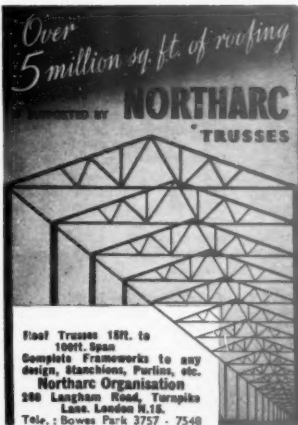
RAMSBOTTOM U.C. (a) Public conveniences at Holcombe Brook. (b) Council's Engineer, Council Offices. (c) 2gns. (e) Aug. 13.

RUGBY B.C. (a) 30 houses, Lawford Lane, Bilton. (b) Borough Surveyor's Office, "Burford House." (c) 5gns. (e) Aug. 16.

RUSHDEN U.C. (a) Extensions to Council buildings. (b) Engineer and Surveyor, Council Buildings. (c) Sept. 3.



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SOUTHEND-ON-SEA B.C. (a) Pavilions in Eastwood and Southchurch Parks. (b) Parks Superintendent, Burdett Road. (c) Sept. 1.

STAFFORDSHIRE C.C. (a) Adaptation of Rangemoor Hall, near Burton-on-Trent, to form Needwood Special School. (b) Architect and Surveyor, County Education Committee, Green Hall, Lichfield Road, Stafford. (c) 4gns. (d) Aug. 4.

STAFFORDSHIRE C.C. (a) Erection and completion of extensions to Cannock County Mining College. (b) Architect and Surveyor, County Education Committee, Green Hall, Lichfield Road, Stafford. (c) 4gns. (d) Aug. 4.

STAFFORDSHIRE C.C. (a) Erection and completion of extensions to Cannock County Mining College. (b) Architect and Surveyor, County Education Committee, Green Hall, Lichfield Road, Stafford. (c) 4gns. (d) Aug. 4.

STAFFORDSHIRE C.C. (a) Erection and completion of Brickhouse Farm primary school, Rowley Regis. (b) Architect and Surveyor, County Education Committee, Green Hall, Lichfield Road, Stafford. (c) 4gns. (e) Aug. 4.

STOURBRIDGE B.C. (a) 6 shops, 4 maisonettes and 2 flats, and 9 garages, in one block, with incidental site works, Norton Estate. (b) Borough Engineer, The Council House. (c) 3gns. (e) Sept. 5.

STOURBRIDGE B.C. (a) 102 houses, 28 flats in blocks of 4, 12 flats in blocks of 6 and 10 bungalows, Wollaston Farm Estate. (b) Borough Engineer, The Council House. (c) 3gns. (e) Sept. 5.

TAVISTOCK R.C. (a) 18 houses and site works at Lamerton. (b) Messrs. Rossington and Fogden, National Provincial Bank Chambers. (c) 3gns. (e) Aug. 27.

WALTON AND WEYBRIDGE U.C. (a) 28 houses, Burwood Road Estate. (b) Council's Engineer, Council Offices, Walton-on-Thames. (c) Sept. 7.

WEST HARTLEPOOL B.C. (a) Building work for alterations to the Technical College Annexe, Avenue Road. (b) Borough Architect, Municipal Buildings. (c) Aug. 18.

WEST RIDING C.C. (a) Adaptations at (1) Ripon Fire Station and (2) proposed fire station at Marsden. (b) County Architect, "Bishopgarth," Westfield Road, Wakefield. (c) Aug. 10.

WEST RIDING STANDING JOINT COMMITTEE. (a) Adaptations and alterations at West Riding Divisional Police Headquarters, Barnsley. (b) County Architect, "Bishopgarth," Westfield Road, Wakefield. (c) 2gns. payable to West Riding Treasurer, crossed "and Co." (e) Aug. 24.

WEST RIDING C.C. (a) Alterations and adaptations at the Day Nursery, Albany Avenue, Harrogate. (b) County Architect, "Bishopgarth," Westfield Road, Wakefield. (c) Aug. 27.

WOKING U.C. (a) Contract No. 2, 40 houses, Elm Bridges Estate. (b) Engineer and Surveyor, Council Offices. (c) 2gns.

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Notes on contracts placed state locality and authority in bold type with (1) type of work, (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

BUILDING

READING CORPORATION. (1) 186 houses. (2) Bath Road estate. (3) J. T. Cook and Sons, Ltd., Holmes Road, Reading. (4) £234,253.

BRIGHTON CORPORATION. (1) Factory for S. Smith and Sons (England), Ltd. (2) Hollingbury Industrial Estate. (3) W. A. James and Sons, Ltd., Maidenhead. (4) £118,580. (1) Factory for C.V.A. Jigs, Moulds and Tools, Ltd. (2) Hollingbury. (3) H. J. Paris, Ltd., 210, Church Road, Hove. (4) £111,955. (1) 62 flats, stores and 4 shops. (2) Bates Nursery site. (3) James Miller and Partners, Ltd., of London S.W.1. (4) £97,434.

BARNLEY CORPORATION. (1) Junior School. (2) Athersley Estate. (3) Direct labour. (4) £62,500.

GUILDFORD CORPORATION. (1) 100 houses. (2) Uplands. (3) A. and J. Simmons and Co., Ltd., Old Woking, Surrey. (4) £135,827.

EALING B.C. (1) 64 houses. (2) Northolt Park Estate. (3) W. G. Contractors, Ltd., of Eastcote, Middlesex. (4) £107,248.

EALING B.C. (1) Five-storey flats. (2) Northolt Park Estate. (3) Norman Sinclair, Ltd., 80, Uxbridge Road, W.13. (4) £135,168.

BRADFORD CORPORATION. (1) 186 No Fines houses. (2) Shirley Manor Estate. (3) Geo. Wimpey and Co., Ltd., London, W.6. (4) £256,460. (1) 200 Easiform houses. (3) Laing and Son, Ltd., Carlisle. (4) £264,827. (1) 60 traditional houses. (2) Harrogate Road. (3) H. G. Brooke, of Bradford. (4) £87,994.

DOVER B.C. (1) 32 houses. (2) Buckland Valley Estate. (3) S. C. Ward, Ltd., 37a, Newington Road, Ramsgate. (4) £41,272.

LEICESTER. (1) New block. (2) Stretton Hall, for Sheffield Regional Hospital Board. (3) Herbert and Sons, 33, Milestone Lane, Leicester. (4) £31,948.

LINCOLN. (1) New block. (2) Caister Institution. (3) H. Aston and Son, Barton-on-Humber. (4) £24,149.

WEST BROMWICH B.C. (1) 50 flats. (2) Harvills Hawthorne Estate. (3) Bidulph and Thrift, Ltd., Frost Street, Bilston, Staffs. (4) £52,102.

TIVERTON T.C. (1) 40 houses. (2) Wilcombe Lane. (2) C. G. Slater and Co., Ltd., Bolham, Tiverton (32 houses). F. Lazarus and Sons, Belmont Road, Tiverton. (4) £1,235.

WEST BROMWICH B.C. (1) 24 houses and flats. (2) Hateley Heath Estate. (3) Direct labour. (4) £23,760.

LITTLEBOROUGH. (1) 38 houses. (2) Laneside. (3) James Hartley, Ltd., Cobden Street, Chadderton. (4) £46,764.

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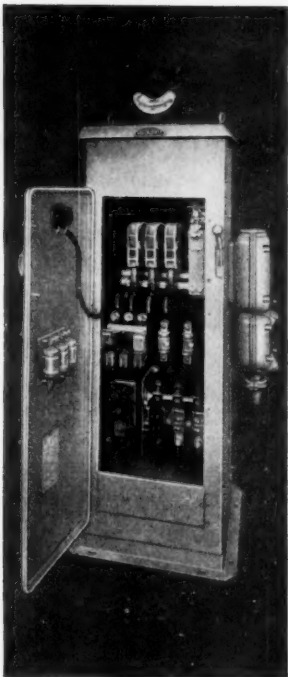
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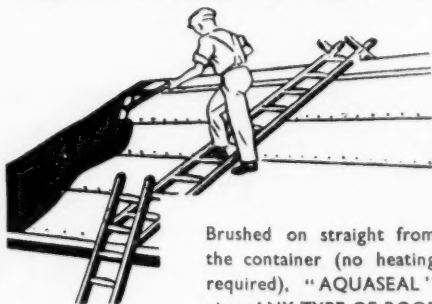
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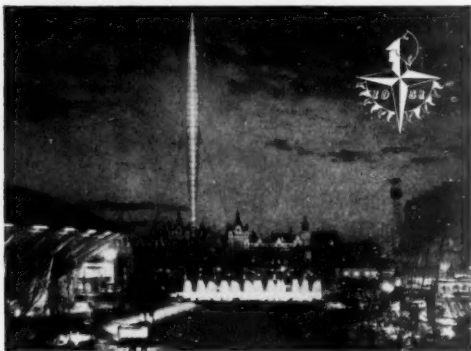


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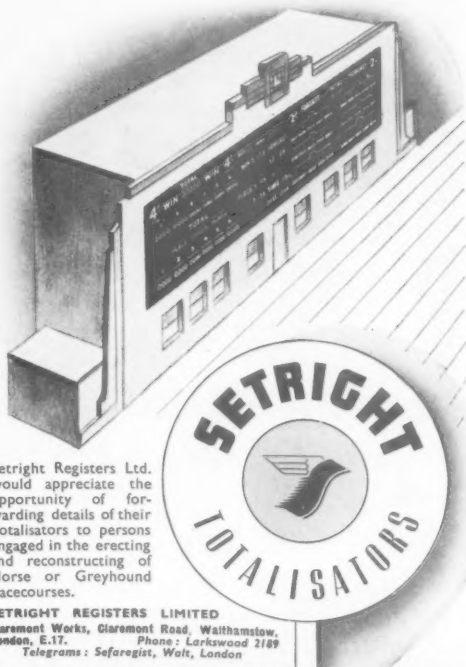


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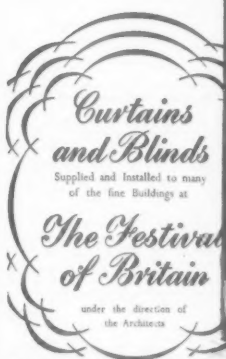
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APPOINTMENTS

LONDON COUNTY COUNCIL.

APPLICATIONS are invited for positions of ARCHITECTURAL ASSISTANT (salaries up to £580 basic a year) in the Housing and Valuation Department. Commencing salaries will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Acts, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

All rates of pay up to £600 a year (basic) are at present subject to an addition of ten per cent. Successful candidates will be required to assist in the design, layout and preparation of working drawings for housing schemes (cottages and multi-storey flats) and will be employed in the Housing Architect's Division.

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped and addressed envelope required and quote reference A.A.1). Canvassing disqualifies. (816). [1018]

BOROUGH OF BEDFORD.

APPLICATIONS are invited for the appointment of an ASSISTANT ARCHITECT in the Borough Engineer and Surveyor's Department. Applicants should have good all-round experience and be fully qualified registered architects.

The Salary payable will be Grade VI commencing at £600 per annum in accordance with the National Joint Council scales. Housing accommodation in the form of a flat is available for the successful applicant if required. Applications, giving full details of experience and enclosing copies of three recent testimonials, should be addressed to me not later than the 3rd August, 1951.

Canvassing in any form is prohibited. Relationship to any member or senior officer of the Council must be stated in the application. CHARLES H. BLAKEWAY, M.Inst.Mun.E., Borough Engineer and Surveyor.

Newnham House, Horne Lane, Bedford. [5619]
17th July, 1951.

HIS MAJESTY'S COLONIAL SERVICE.

LEEWARD ISLANDS.

A VACANCY exists for a BUILDER SURVEYOR in the Public Works Department, Leeward Islands, in the salary scale £600-£800 per annum, the point of entry depending on war service and experience. Appointment will be on secondment or agreement for three years. A temporary cost-of-living allowance is, at present, payable at the rate of £100 per annum. Free passages to and from the Leeward Islands will be provided for the officer, his wife and up to three children under the age of 18. Leave will be granted on completion of the tour of service. Quarters are not provided.

Candidates, preferably with architectural qualifications, should have considerable experience of building design, construction and maintenance, and should be able to prepare quantities and estimates. They should write for further particulars and a form of application to the Director of Recruitment, Colonial Service, Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, giving brief particulars of age, qualifications and experience, quoting Reference No. 27076/61. [5634]

CITY OF WESTMINSTER.

HOUSING DEPARTMENT.

APPLICATIONS are invited for the position of A JUNIOR ARCHITECTURAL ASSISTANT. Salary, A.P.T. Grade I of National Scales, viz.: £440-£15-£488 per annum plus London Weighting (£10, £20 or £30 per annum according to age). Applicants should have had architectural training as students and they should have had general experience in an Architect's office.

Applications marked "Junior Architectural Assistant-Housing Department," stating full name, age, experience, and present and past appointments; whether related to any member or Chief Officer of the Council, with copies of two recent testimonials, must be received by 9 a.m. on Monday, 20th August, 1951.

PARKER MORRIS, Town Clerk.
Westminster City Hall,
Charing Cross Road, W.C.2.
20th July, 1951. [5641]

APPOINTMENTS—contd.

BOROUGH OF WORTHING.

BOROUGH ENGINEER'S DEPARTMENT.

ARCHITECTURAL STAFF.

APPLICATIONS are invited for the following appointments in the Architectural Section of the Borough Engineer's Department:—
(a) ARCHITECTURAL ASSISTANT, Grade A.P.T. III.

Commencing salary £500, rising by annual increments to £545. Applicants should have had experience in the design and preparation of working drawings, and preference will be given to applicants who have passed the Intermediate Examination of the R.I.B.A.

(b) ASSISTANT QUANTITY SURVEYOR, Grade A.P.T. IV.

Commencing salary £530, rising by annual increments to £575. Applicants should have passed the Intermediate Examination of the I.C.S. Sub-Section III and must be capable of and have had experience in abstracting and billing and measurement of works on site. Experience in "taking off" would be an advantage.

Both appointments are subject to the National Scheme of Conditions of Service of Local Government Officers, to the Local Government Superannuation Act, 1937, and to the successful applicants passing satisfactorily a medical examination.

Applications, endorsed "Architectural Assistant, Grade III," or "Assistant Quantity Surveyor," as the case may be, stating age, status, qualifications, experience, present and past appointments, with dates and accompanied by copies of two testimonials, should be sent to the Borough Engineer and Surveyor, Town Hall, Worthing, not later than Tuesday, 7th August, 1951.

ERNEST G. TOWNSEND, Town Clerk.
Town Hall, Worthing.
16th July, 1951. [5623]

URBAN DISTRICT COUNCIL OF CORBY.

APPOINTMENT OF TRACER/DRAUGHTSMAN (MALE OR FEMALE).

APPLICATIONS are invited for the above appointment in the department of the Engineer and Surveyor at a salary in accordance with Grade III of the Miscellaneous Division of the National Scale of Salaries commencing at £355 per annum. The provisions of the Local Government Superannuation Act, 1937, will apply.

Applicants must be neat and expeditious draughtsmen, well experienced in the tracing of Architectural and Engineering drawings and tracings from Ordnance maps and must be able, also, to undertake lettering thereon of a high standard.

Housing accommodation will be made available to the selected candidate (if married) after a period of 3 months' satisfactory service.

Application forms, to be obtained from the undersigned, should be completed and submitted not later than 12 noon on Monday, the 13th August, 1951.

G. B. BLACKALL, Clerk of the Council.

Council Offices, Corby, Northants.
20th July, 1951. [5633]

MINISTRY OF WORKS.

THERE are vacancies in the Chief Architect's Division for ARCHITECTURAL ASSISTANTS with recognised training and fair experience. Successful candidates will be employed in London and elsewhere on a wide variety of Public Buildings, including Atomic Energy and other Research Establishments, Telephone Exchanges and Housing.

Salary: Architectural Assistants, £300-£525 per annum. Starting pay will be assessed according to age, qualifications and experience. These rates are for London; a small deduction is made in the Provinces.

Although these are not established posts, some of them have long-term possibilities and competitions are held periodically to fill established vacancies.

Apply in writing, stating age, nationality, full details of experience, and locally preferred, to Chief Architect, Ministry of Works, Abel House, John Islip Street, London, S.W.1, quoting reference WG10/BC. [5572]

APPOINTMENTS—contd.

ANTRIM COUNTY COUNCIL.

PLANNING DEPARTMENT.

APPOINTMENT OF ASSISTANT ARCHITECT.

THE County Council invites applications for the position of ASSISTANT ARCHITECT. The salary will be within the range of the National Joint Council's A.P.T. Scales, Grade V (a) and VI, £600-£710, and deductions will be made in respect of contributions under the Local Government (Superannuation) Act (Northern Ireland), 1950.

Candidates will be required to be members of the Royal Institute of British Architects or possess an equivalent qualification.

Membership of the Town Planning Institute will be an additional advantage.

The duties will be connected with the preparation of the Planning Schemes for the County and with control of development.

Preference will be given to ex-service candidates who have seen active service, possessing the required qualifications, provided the Council is satisfied that such Candidates can or within a reasonable time will be able to discharge the duties of the post efficiently.

Applications stating age, qualifications and experience, together with copies of not more than two recent testimonials will be received by the undersigned on or before Friday, 10th August, 1951.

W. S. HENDERSON, Secretary.

County Courthouse, Crumlin Road, Belfast. [5626]
18th July, 1951.

CITY OF BATH.

CITY PLANNING AND ARCHITECTURAL DEPARTMENT.

AMENDED ADVERTISEMENT.

APPLICATIONS are invited for the appointment of CHIEF ARCHITECTURAL ASSISTANT, Grade A.P.T. VII (£685-£760 per annum). Applicants must be Registered Architects, and preference will be given to those who are Associates of The Royal Institute of British Architects. They should have good experience in design and construction of Municipal Housing and other works.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications stating age, qualifications and experience, together with the names and addresses of three referees, should be sent to the City Planning Officer and Architect, 2, Princes Buildings, Bath, not later than the 18th August, 1951.

The Corporation are prepared to render assistance to the successful candidate in securing housing accommodation if required.

JARED E. DIXON, Town Clerk.

Guildhall, Bath.
26th July, 1951. [5643]

KENT COUNTY COUNCIL.

APPLICATIONS are invited for appointment in the Buildings Department of an ASSISTANT ARCHITECT in A.P.T. Grade Via (£600-£660). Applicants must be members of the Royal Institute of British Architects and have had experience in the preparation of sketch schemes and working drawings for modern buildings. Previous experience with a local authority is not essential.

Applications, on forms obtainable from the County Architect, Springfield, Maidstone, must be delivered to him not later than fourteen days after the appearance of this advertisement.

W. L. PLATT, Clerk of the Council.

18th July, 1951. [5637]

LONDON COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

APPLICATIONS are invited for positions of A ARCHITECT, Grade III (£550-£700) and TECHNICAL ASSISTANT (up to £580) for architectural work on new housing, schools and other public buildings. The positions are superannuable and the above rates are subject to an addition of 10 per cent. on the first £600 and 7½ per cent. on any remainder. Applications from The Architect, The County Hall, S.E.1, enclosing stamped addressed foolscap envelope and quoting AR/ER/A. Canvassing disqualifies. (514.) [1016]

APPOINTMENTS—contd.

CITY AND COUNTY OF CANTERBURY.

CITY ARCHITECT'S DEPARTMENT.

THE City Architect invites applications for the appointment of an ASSISTANT ARCHITECT, Salary Scale A.P.T. V (£570 per annum rising to £620).

Applicants should be Associates of the Royal Institute of British Architects, previous experience of Educational Buildings is desirable but not essential. A keen interest and some experience in contemporary design is essential.

The appointment will be subject to one month's notice in writing on either side and to the terms of the National Joint Council's scheme of Conditions of Service and the provisions of the Local Government Superannuation Act, 1937. The successful applicant will be required to pass a medical examination.

Applications, giving age, qualifications and experience, and the names and addresses of two persons to whom reference may be made, should be sent to L. Hugh Wilson, Esq., A.R.B.A., A.M.T.P.I., City Architect and Planning Officer, Municipal Buildings, Canterbury, not later than Friday, 17th August, 1951.

Canvassing, directly or indirectly, will be a disqualification.

J. BOYLE,
Town Clerk.

Municipal Buildings,
Canterbury. [5644]

CONTRACTS

FIFE COUNTY COUNCIL.

PROPOSED NEW SCHOOLS.

BUILDING WORKS.

TENDERS are invited from established firms of Building Contractors for the ERECTION of each of the following SCHOOLS:—

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3. Valley Primary School, Kirkcaldy (650 pupils).
4. Blacklaw Primary School, Dunfermline (650 pupils).

5. Comrie Junior Secondary School, Oakley, by Dunfermline (900 pupils).

Separate schedules are being issued for each job. All tenders must be prepared to satisfy the County Architect regarding their ability to carry out the work in a competent manner. Contractors tendering for item 5 should have had considerable experience of reinforced concrete construction.

Schedules for the work will be issued on or about 1st August, 1951, but immediate application should be made to the Surveyors, Messrs. Jas. Gentles & Son, Chartered Quantity Surveyors, Central Chambers, High Street, Kirkcaldy. Plans may be seen at the office of Mr. H. S. Lawrie, A.R.B.A., A.M.T.P.I., County Architect, County Buildings, Cupar.

Tenders are to be lodged with the County Clerk, County Buildings, Cupar, before 11 a.m. on 24th August, 1951.

The Fife County Council do not bind themselves to accept the lowest or any Tender.

J. M. MITCHELL,
County Clerk.

County Buildings,
Cupar,
Fife.
16th July, 1951. [5640]

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ARCHITECTURAL Draughtsman required for Private Architect in St. James' Park area, London. Academic qualifications not necessary but first-class knowledge in construction and draughtsmanship essential. Salary £600-£800 p.a.—Box 3052. [5621]

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PLUMBING contractors require work, new or conversions, just completed block flats "one pipe system." Welding sil-bronze or lead burning. Handrails and all forms pipe work made to drawings.—Willis & Co., 47, Eldon Rd., N.22. Bowes Park 4413. [5580]

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SENIOR quantity surveyors for Merseyside and North Wales: interesting posts with good salaries, pension scheme, etc.; applicants must be fully experienced in building contractors' work.—Detailed account of career, age and salary required, to Personnel Department, Holland & Hannen & Cobitts, Ltd., St. Mary's Rd., Garston, Liverpool, 19. [5642]

ARCHITECT or Surveyor required by London Company controlling group of public buildings, must be qualified to prepare drawings, specifications, and supervise all building and maintenance work, alterations, renovations and decorations.—Please write giving age, education, qualifications, experience and salary required to Managing Director, Box 3184. [5639]

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